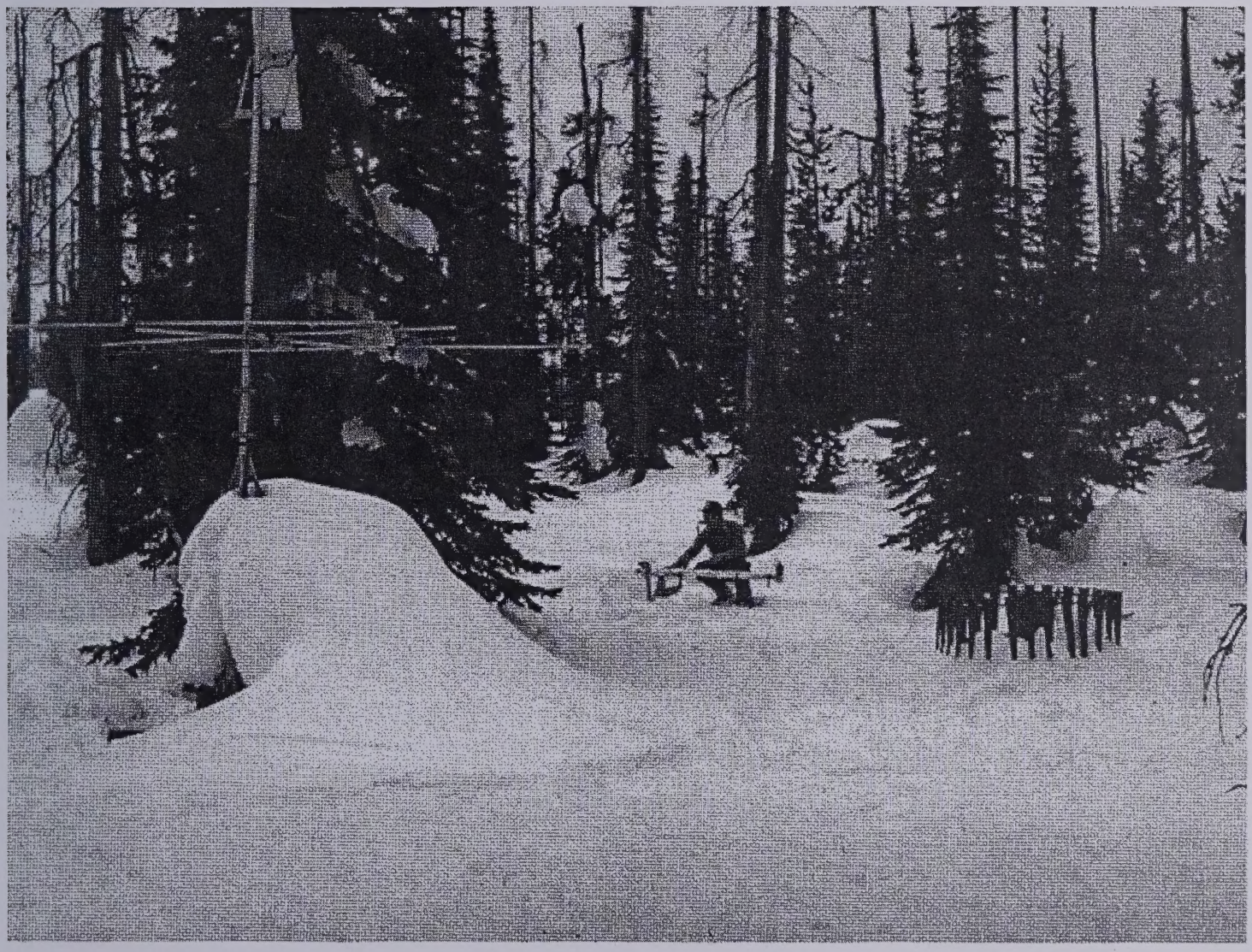
USDA United States Department of Agriculture

Natural Resources Conservation Service

Montana Water Supply Outlook Report January 1, 2010



Picture: Black Bear SNOTEL Site - Winter of 1997

Water Supply Outlook Report
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:

Water Supply Specialist
Federal Building
10 East Babcock, Room 443
Bozeman, MT 59715
or
Phone 406-587-6991

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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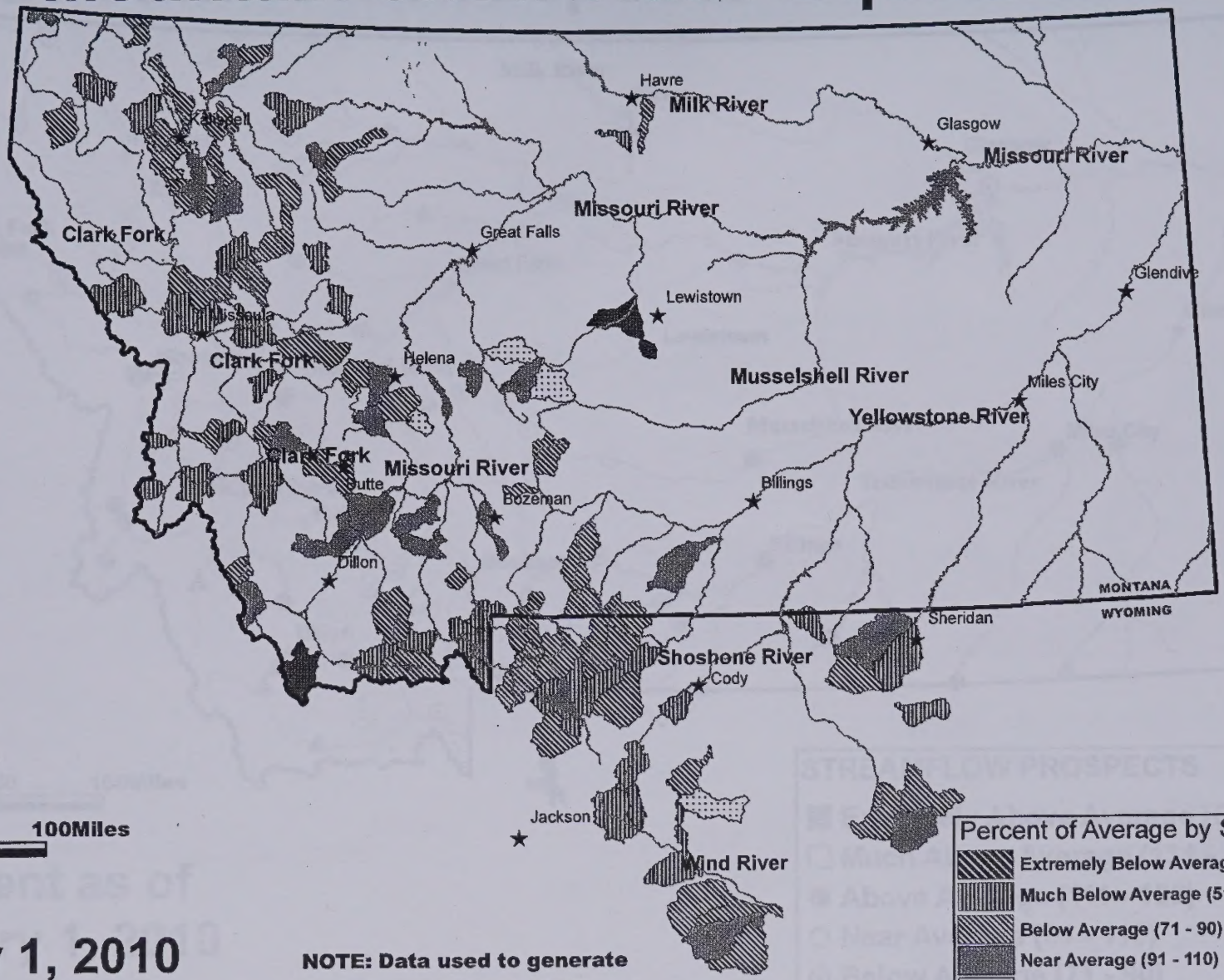
Mountain Snow Water Equivalent



January 1, 2010

NRCS Natural Resources Conservation Service

http://www.mt.nrcs.usda.gov

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

UNITED STATES DEPARTMENT OF AGRICULTURE

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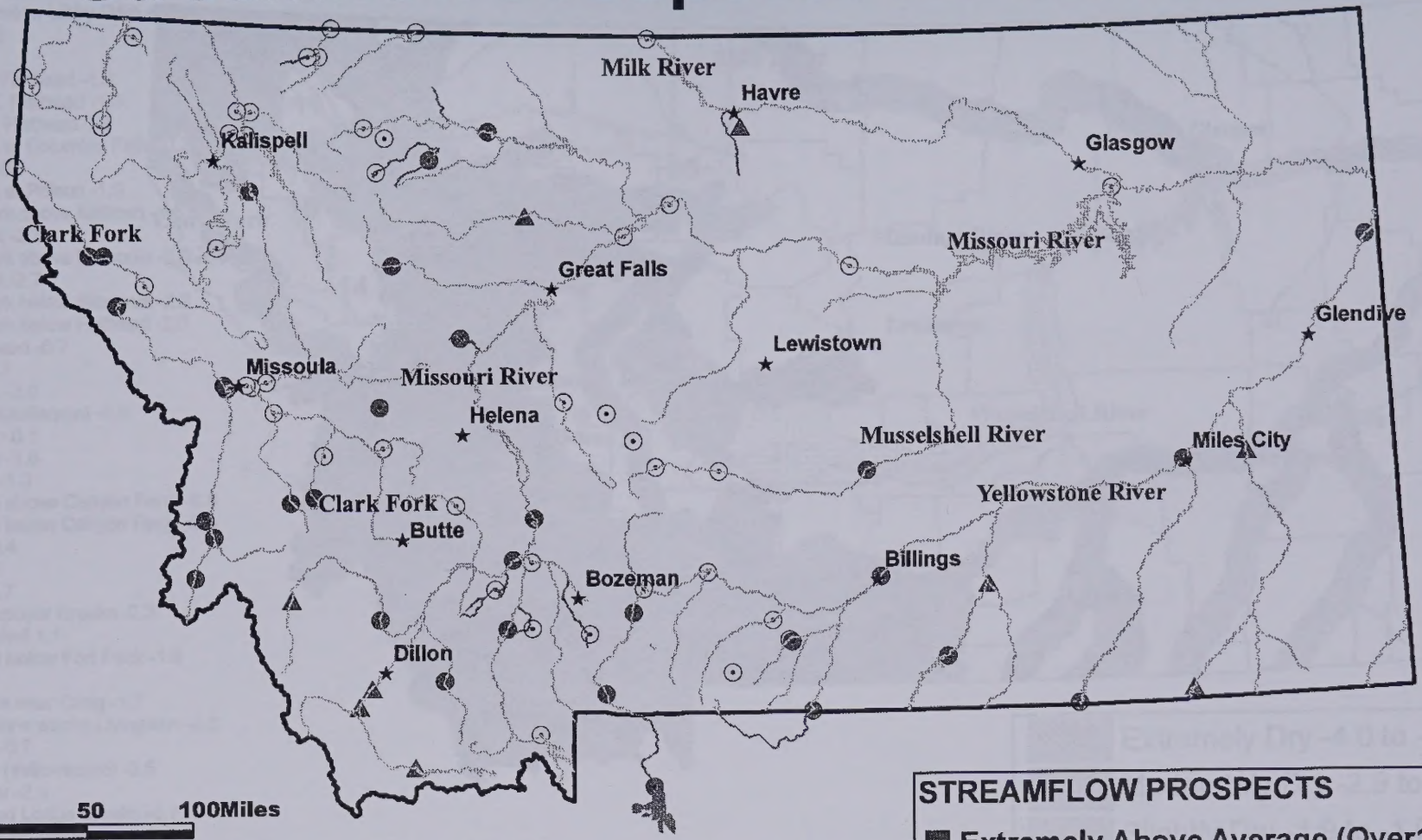
Streamflow Prospects for Montana



Current as of January 1, 2010

NRCS Natural Resources Conservation Service

http://www.mt.nrcs.usda.gov

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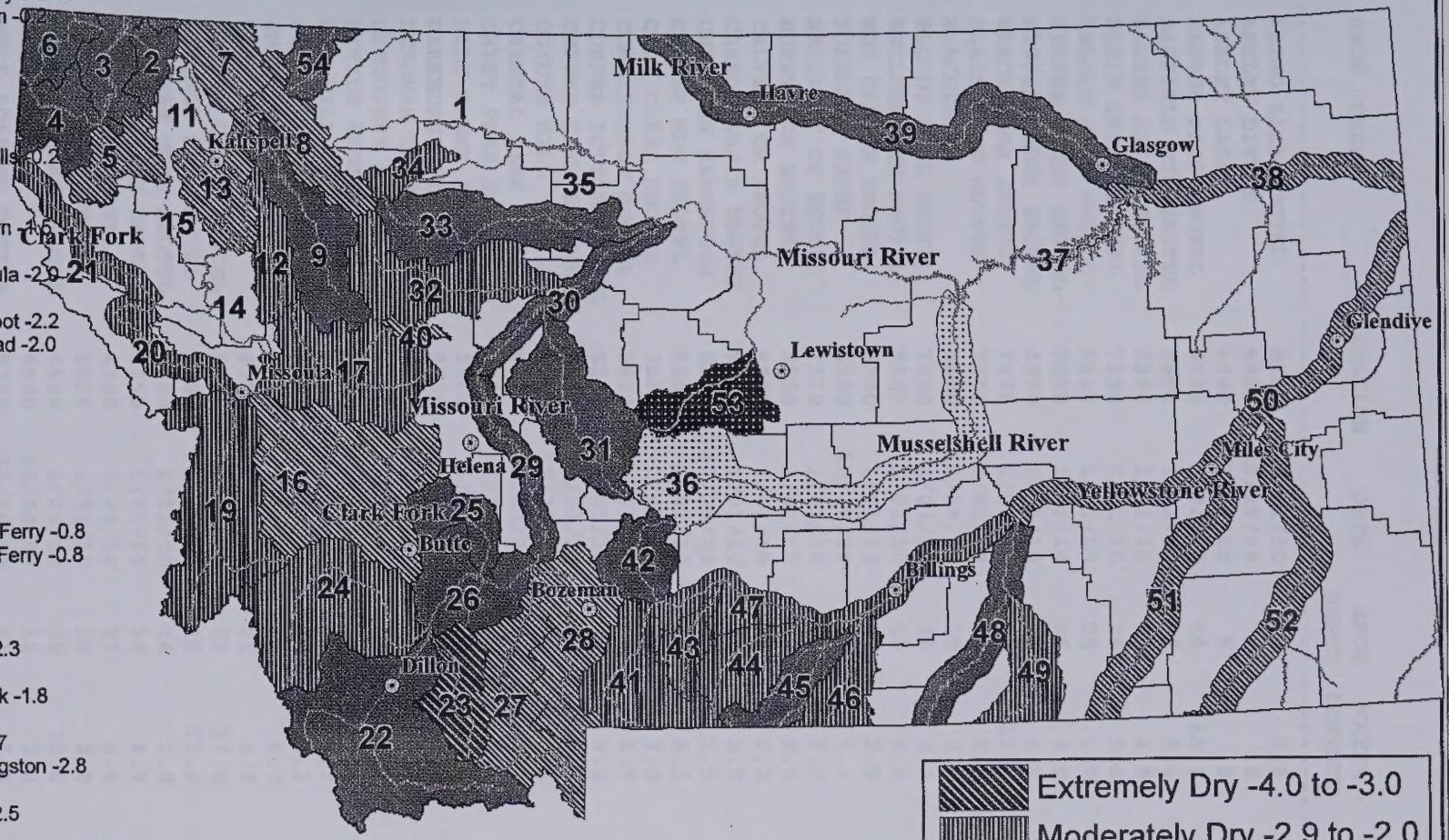
STREAMFLOW PROSPECTS

- ■ Extremely Above Average (Over150)
- □ Much Above Average (131 - 150)
- ● Above Average (111 - 130)
- ○ Near Average (91 - 110)
- ⊙ Below Average (71 - 90)
- ● Much Below Average (51 - 70)
- ▲ Extremely Below Average (Below 51)

Surface Water Supply Index (SWSI) Values

UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE



RIVER INDEX & SWSI VALUES

2 Tobacco -0.3
3 Kootenai Ft. Steele to Libby Dam 0.7
4 Kootenai below Libby Dam -0.2
5 Fisher -1.2
6 Yaak 0.2
7 North FK. Flathead -1.2
8 Middle FK. Flathead -1.3
9 South FK. Flathead 0.2
10 Flathead at Columbia Falls 0.2
12 Swan -2.0
13 Flathead at Polson -1.9
16 Clark Fork above Milltown -1.9
17 Blackfoot -2.3
18 Clark Fork above Missoula -2.9
19 Bitterroot -2.7
20 Clark Fork below Bitterroot -2.2
21 Clark Fork below Flathead -2.0
22 Beaverhead -0.7
23 Ruby -3.3
24 Big Hole -2.0
25 Boulder (Jefferson) -0.9
26 Jefferson 0.1
27 Madison -1.6
28 Gallatin -1.0
29 Missouri above Canyon Ferry -0.8
30 Missouri below Canyon Ferry -0.8
31 Smith -0.4
32 Sun -2.1
33 Teton -0.7
34 Birch/Dupuyer Creeks -2.3
36 Musselshell 1.1
38 Missouri below Fort Peck -1.8
39 Milk 0.3
40 Dearborn near Craig -1.7
41 Yellowstone above Livingston -2.8
42 Shields -0.7
43 Boulder (Yellowstone) -2.5
44 Stillwater -2.0
45 Rock/Red Lodge Creeks -0.7
46 Clarks Fork Yellowstone -2.7
47 Yellowstone above Bighorn River -2.6
48 Bighorn below Bighorn Lake -0.9
49 Little Bighorn -2.5
50 Yellowstone below Bighorn -1.9
51 Tongue -1.7
52 Powder -1.6
53 Upper Judith 3.4
54 Saint Mary -0.9

0 45 90 Miles

Current as of January 1, 2010

- Extremely Dry -4.0 to -3.0
- Moderately Dry -2.9 to -2.0
- Slightly Dry -1.9 to -1.0
- Near Average -0.9 to 0.9
- Sightly Wet 1.0 to 1.9
- Moderately Wet 2.0 to 2.9
- Extremely Wet 3.0 to 4.0
- SWSI Not Applicable

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

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SNOW COURSE AND SNOTEL SITE DATA

JANUARY 2010

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ALBRO LAKE SNOTEL	8300	1/01/10	39	9.9	10.9	9.6
ASHLEY DIVIDE	4820	12/29/09	7	.8	3.8	3.4
ASHLEY LAKE	4000	12/29/09	5	.9	3.2	2.6
BADGER PASS SNOTEL	6900	1/01/10	60	15.8	9.1	15.2
BANFIELD MTN SNOTEL	5600	1/01/10	26	5.4	6.5	9.0
BARKER LAKES SNOTEL	8250	1/01/10	37	9.5	9.1	6.7
BASIN CREEK SNOTEL	7180	1/01/10	14	3.6	4.2	3.7
BEAGLE SPGS SNOTEL	8850	1/01/10	25	5.7	5.3	3.7
BEAVER CREEK SNOTEL	7850	1/01/10	25	4.9	8.4	7.9
BISSON CREEK SNOTEL	4920	1/01/10	17	4.0	3.6	4.5
BLACK BEAR SNOTEL	7950	1/01/10	52	12.6	15.4	17.2
BLACK PINE SNOTEL	7100	1/01/10	18	3.4	5.9	5.2
BLACKTAIL	5650	12/29/09	15	3.4	4.4	6.8
BLOODY DICK SNOTEL	7550	1/01/10	18	3.2	5.3	5.6
BOULDER MTN SNOTEL	7950	1/01/10	42	9.8	11.1	9.1
BOX CANYON SNOTEL	6700	1/01/10	12	2.5	4.7	4.5
BOXELDER CREEK	5100	12/30/09	10	1.0	2.7	3.4
BRACKETT CR SNOTEL	7320	1/01/10	31	7.5	8.1	8.9
BURNT MTN SNOTEL	5880	1/01/10	12	2.4	2.6	2.7
CALVERT CR SNOTEL	6430	1/01/10	12	2.1	3.1	3.9
CARROT BASIN SNOTEL	9000	1/01/10	44	9.9	12.6	13.1
CHESSMAN RESERVOIR	6200	12/28/09	8	1.5	2.0	1.5
CLOVER MDW SNOTEL	8800	1/01/10	29	6.2	7.8	8.1
COLE CREEK SNOTEL	7850	1/01/10	31	7.9	7.1	7.5
COMBINATION SNOTEL	5600	1/01/10	7	1.7	2.7	2.2
COPPER BOTTOM SNOTEL	5200	1/01/10	15	3.1	3.7	5.3
COPPER CAMP SNOTEL	6950	1/01/10	55	15.5	19.3	--
COYOTE HILL	4200	12/31/09	15	2.1	3.6	4.3
CRYSTAL LAKE SNOTEL	6050	1/01/10	36	9.8	4.8	5.4
DAISY PEAK SNOTEL	7600	1/01/10	28	6.2	4.0	4.7
DALY CREEK SNOTEL	5780	1/01/10	15	3.6	5.1	4.9
DARKHORSE LK. SNOTEL	8700	1/01/10	48	11.1	15.4	13.9
DEADMAN CR SNOTEL	6450	1/01/10	22	5.2	4.8	4.6
DISCOVERY BASIN	7050	12/28/09	14	2.2	5.0	4.2
DIVIDE SNOTEL	7800	1/01/10	13	2.5	4.7	4.8
DIX HILL	6400	1/01/10	17	2.9	--	4.5
DUPUYER CREEK SNOTEL	5750	1/01/10	16	3.3	2.9	4.4
EMERY CREEK SNOTEL	4350	1/01/10	25	5.7	6.7	7.0
FISH CREEK	8000	12/31/09	21	4.8	5.6	4.4
FISHER CREEK SNOTEL	9100	1/01/10	52	13.0	15.9	16.3
FLATTOP MTN SNOTEL	6300	1/01/10	112	21.0	12.1	21.4
FROHNER MDWS SNOTEL	6480	1/01/10	14	3.0	3.0	3.4
GARVER CREEK SNOTEL	4250	1/01/10	18	4.7	4.1	5.2
GRAVE CRK SNOTEL	4300	1/01/10	27	6.6	5.0	7.7
HAND CREEK SNOTEL	5030	1/01/10	18	4.0	6.1	5.9
HAWKINS LAKE SNOTEL	6450	1/01/10	40	10.0	7.9	12.4
HEBGEN DAM	6550	12/30/09	12	2.2	2.8	5.1
HELL ROARING DIVIDE	5770	12/28/09	43	11.2	10.4	13.4
HOLBROOK	4530	12/28/09	6	1.5	3.5	4.2
HOODOO BASIN SNOTEL	6050	1/01/10	44	10.8	13.0	19.3
JOHNSON PARK	6450	12/30/09	11	2.6	1.8	2.8
KRAFT CREEK SNOTEL	4750	1/01/10	25	4.4	5.2	6.9
LAKEVIEW RDG. SNOTEL	7400	1/01/10	13	1.6	5.2	5.1
LEMHI RIDGE SNOTEL	8100	1/01/10	21	4.6	5.6	4.7
LICK CREEK SNOTEL	6860	1/01/10	18	4.0	4.0	5.3
LONE MOUNTAIN SNOTEL	8880	1/01/10	34	6.9	8.4	7.9
LOWER TWIN SNOTEL	7900	1/01/10	36	8.3	9.3	8.8
LUBRECHT SNOTEL	4680	1/01/10	8	1.9	2.7	2.6
LUBRECHT FOREST NO 3	5450	12/29/09	6	1.0	2.2	2.7

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
LUBRECHT FOREST NO 4	4650	12/29/09	4	.8	1.6	1.4
LUBRECHT FOREST NO 6	4040	12/29/09	6	1.0	1.6	1.6
LUBRECHT HYDROPLOT	4200	12/29/09	7	1.0	1.8	2.5
MADISON PLT SNOTEL	7750	1/01/10	37	8.0	9.3	11.2
MANY GLACIER SNOTEL	4900	1/01/10	29	6.0	4.4	7.0
MARIAS PASS	5250	12/30/09	20	4.3	5.0	7.3
MONUMENT PK SNOTEL	8850	1/01/10	36	8.5	10.6	9.9
MOSS PEAK SNOTEL	6780	1/01/10	65	17.3	13.0	16.8
MOULTON RESERVOIR	6850	12/31/09	10	2.0	3.9	3.5
MT LOCKHART SNOTEL	6400	1/01/10	32	8.1	5.9	9.5
MULE CREEK SNOTEL	8300	1/01/10	29	6.4	8.0	6.9
N.E. ENTRANCE SNOTEL	7350	1/01/10	14	2.5	3.6	5.0
NEVADA RIDGE SNOTEL	7020	1/01/10	32	5.7	5.8	6.8
NEZ PERCE CMP SNOTEL	5650	1/01/10	24	4.0	5.7	6.1
N.F. ELK CR SNOTEL	6250	1/01/10	15	3.2	4.4	5.1
NF JOCKO SNOTEL	6330	1/01/10	67	15.1	14.1	19.4
NOISY BASIN SNOTEL	6040	1/01/10	72	17.0	14.7	19.8
OPHIR PARK	7150	1/01/10	25	6.0	--	6.6
PETERSON MDW SNOTEL	7200	1/01/10	17	4.2	5.9	4.4
PICKFOOT CRK SNOTEL	6650	1/01/10	22	4.6	4.8	5.2
PIKE CREEK SNOTEL	5930	1/01/10	32	7.1	4.4	12.0
PIPESTONE PASS	7200	12/27/09	8	1.5	1.6	2.2
PLACER BASIN SNOTEL	8830	1/01/10	34	8.4	10.1	8.7
POORMAN CR SNOTEL	5100	1/01/10	40	10.5	11.2	13.4
PORCUPINE SNOTEL	6500	1/01/10	10	2.0	3.5	2.8
ROCKER PEAK SNOTEL	8000	1/01/10	26	6.1	8.8	6.4
ROCKY BOY SNOTEL	4700	1/01/10	12	1.4	3.2	2.2
SACAJAWEA SNOTEL	6550	1/01/10	19	4.5	4.4	5.1
SADDLE MTN SNOTEL	7900	1/01/10	33	7.0	10.3	11.7
S.F. SHIELDS SNOTEL	8100	1/01/10	35	7.2	9.0	7.5
SHORT CREEK SNOTEL	7000	1/01/10	7	1.9	2.1	2.9
SHOWER FALLS SNOTEL	8100	1/01/10	39	9.9	11.3	10.1
SKALKAHO SNOTEL	7260	1/01/10	30	5.9	8.7	10.3
SLEEPING WOMAN SNTL	6150	1/01/10	20	4.1	6.4	6.9
SPOTTED BEAR MTN.	7000	12/28/09	23	4.9	4.9	6.9
SPUR PARK SNOTEL	8100	1/01/10	40	9.9	11.3	10.0
STAHL PEAK SNOTEL	6030	1/01/10	63	15.6	11.1	17.1
STORM LAKE	7780	12/28/09	22	4.4	8.9	5.5
STUART MOUNTAIN SNTL	7400	1/01/10	44	10.1	13.5	15.1
TAYLOR ROAD	4080	12/30/09	10	1.0	1.9	1.8
TEN MILE LOWER	6600	12/28/09	14	3.2	3.0	3.0
TEN MILE MIDDLE	6800	12/28/09	21	4.9	4.4	4.6
TEPEE CREEK SNOTEL	8000	1/01/10	24	3.9	6.3	6.0
TIZER BASIN SNOTEL	6840	1/01/10	21	5.3	5.0	4.8
TRINKUS LAKE	6100	12/28/09	58	16.0	15.7	19.4
TRUMAN CREEK	4060	12/29/09	3	.5	3.2	2.0
TV MOUNTAIN	6800	12/28/09	23	4.7	7.1	7.7
TWELVEMILE SNOTEL	5600	1/01/10	22	4.7	8.2	7.5
TWENTY-ONE MILE	7150	12/29/09	16	2.8	6.0	7.3
TWIN LAKES SNOTEL	6400	1/01/10	44	10.0	14.5	17.5
UPPER HOLLAND LAKE	6200	12/28/09	35	8.0	12.7	15.2
WALDRON SNOTEL	5600	1/01/10	18	4.0	3.3	5.2
WARM SPRINGS SNOTEL	7800	1/01/10	39	8.6	12.2	9.4
WEASEL DIVIDE	5450	12/30/09	46	12.4	8.2	15.2
WEST YELL'ST SNOTEL	6700	1/01/10	18	3.1	4.8	5.9
WHISKEY CREEK SNOTEL	6800	1/01/10	25	4.3	6.6	7.5
WHITE MILL SNOTEL	8700	1/01/10	38	9.2	10.0	11.1
WOOD CREEK SNOTEL	5960	1/01/10	13	2.8	3.6	4.2

Montana Water Supply Outlook Report as of January 1, 2010

Low amounts of November and December precipitation has lead to January 1 mountain snowpack to be below average and streamflow prospects for the spring and summer to be below to well below average. Water managers need to pay particular attention to their local area and plan for possible low streamflows in the event mountain precipitation continues to be poor. State-wide mountain snowpack was below average and below last year. The snow water content on January 1 represents about 45 percent of the seasonal snowfall, so more than half of the snowfall season remains. Mountain precipitation for December in the Columbia was 69 percent of average; Missouri was 62 percent of average; and Yellowstone was 56 percent of average.

Snowpack

Mountain snow water content state-wide was 76 percent of average and 87 percent of last year. West of the Continental Divide, mountain snow water content was 74 percent of average and 92 percent of last year and east of the Continental Divide, was 80 percent of average and 86 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	74	92
KOOTENAI	78	117
FLATHEAD	78	105
UPPER CLARK FORK	77	77
BITTERROOT	61	70
LOWER CLARK FORK	63	81
MISSOURI	82	86
MISSOURI HEADWATERS	76	75
JEFFERSON	80	75
MADISON	71	75
GALLATIN	77	80
MISSOURI MAINSTEM	96	106
HEADWATERS MAINSTEM	100	92
SMITH-JUDITH-MUSSELSHELL	113	110
SUN-TETON-MARIAS	79	133
MILK (Bearpaw Mtns)	46	44
ST. MARY	95	164
ST. MARY & MILK	85	125
YELLOWSTONE	78	81
UPPER YELLOWSTONE	77	82
LOWER YELLOWSTONE	76	79
STATE-WIDE	76	87

Precipitation

December mountain and valley precipitation across the state was 69 percent of average and 58 percent of last year, while the water year precipitation was 89 percent of average and 87 percent of last year.

West of the Continental Divide, December mountain and valley precipitation was 68 percent of average and 59 percent of last year and the water year precipitation was 82 percent of average and 88 percent of last year. East of the Divide, December mountain and valley precipitation was 70 percent of average and 57 percent of last year and the water year precipitation was 95 percent of average and 87 percent of last year.

RIVER BASIN	DECEMBER % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	68	82
KOOTENAI	60	89
FLATHEAD	85	92
UPPER CLARK FORK	70	80
BITTERROOT	57	68
LOWER CLARK FORK	56	74
MISSOURI	68	94
JEFFERSON	51	83
MADISON	53	80
GALLATIN	57	85
MISSOURI MAINSTEM	104	113
SMITH-JUDITH-MUSSELSHELL	75	117
SUN-TETON-MARIAS	88	95
MILK	127	108
ST. MARY	79	96
YELLOWSTONE	60	84
UPPER YELLOWSTONE	59	84
LOWER YELLOWSTONE	68	84
STATE-WIDE	69	89

Reservoirs

Major reservoir storages statewide were 95 percent of average and 110 percent of last year.

Reservoir storage west of the Continental Divide was 116 percent of average and 103 percent of last year. East of the Continental Divide, reservoir storages were 88 percent of average and 114 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	116	103
KOOTENAI	121	100
FLATHEAD	114	107
UPPER CLARK FORK	142	96
BITTERROOT	101	67
LOWER CLARK FORK	99	98
MISSOURI	87	115
JEFFERSON	111	142
MADISON	119	114
GALLATIN	159	100
MISSOURI MAINSTEM	85	116
SMITH-JUDITH-MUSSELSHELL	102	122
SUN-TETON-MARIAS	108	98
MILK	99	90
ST. MARY	115	63
YELLOWSTONE	109	99
UPPER YELLOWSTONE	104	98
LOWER YELLOWSTONE	109	99
STATE-WIDE	95	110

Streamflow

Across Montana, January 1 streamflows are forecast to average between 57 and 71 percent, for the period April 1 through July 31. West of the Continental Divide, January 1 streamflows were forecast to average between 65 and 77 percent. East of the Continental Divide, January 1 streamflows are forecast to average between 50 and 67 percent.

Below are the River Basin streamflow forecasts for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL MOISTURE AND RUNOFF CONDITIONS JANUARY THROUGH JULY AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR ABOVE AVERAGE (110% or more) SNOWMELT OR SPRING RAIN.

RIVER BASIN	April-July THIS YEAR % OF AVERAGE	April-July LAST YEAR % OF AVERAGE
COLUMBIA	65 to 77	84 to 97
KOOTENAI	73 to 84	79 to 90
FLATHEAD	70 to 81	79 to 91
UPPER CLARK FORK	57 to 73	93 to 109
BITTERROOT	55 to 70	81 to 96
LOWER CLARK FORK	67 to 73	86 to 93
MISSOURI	50 to 67	67 to 87
JEFFERSON	37 to 56	72 to 94
MADISON	60 to 70	80 to 90
GALLATIN	68 to 79	87 to 98
MISSOURI MAINSTEM	55 to 69	75 to 89
SMITH-JUDITH-MUSSELSHELL	53 to 75	74 to 103
SUN-TETON-MARIAS	53 to 68	45 to 64
MILK	35 to 66	54 to 84
ST. MARY	78 to 88	68 to 78
YELLOWSTONE	52 to 66	81 to 95
UPPER YELLOWSTONE	61 to 73	83 to 95
LOWER YELLOWSTONE	39 to 56	78 to 95
STATE-WIDE	57 to 71	72 to 88

NOTE: The APRIL-JULY LAST YEAR % OF AVERAGE column above, is what was forecast last year, not what actually occurred.

Surface Water Supply Index

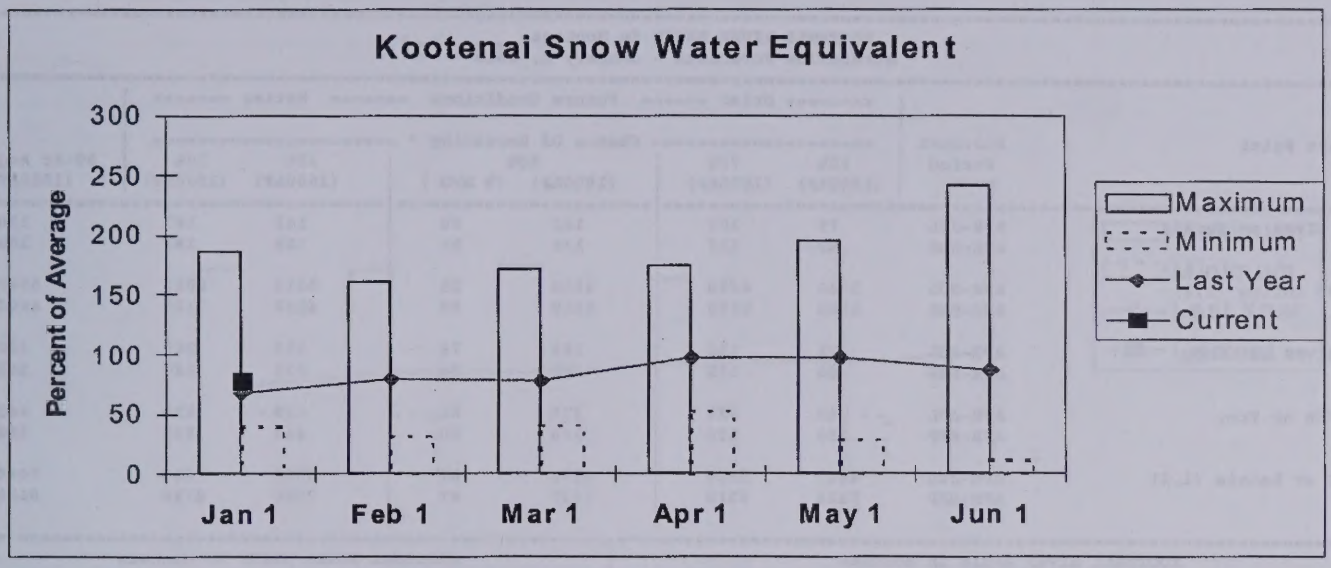
The Surface Water Supply Index (SWSI) is a measure of available surface water availability for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

This year SWSI	Last year SWSI	Basin
-0.3	-2.3	Tobacco River
+0.7	-3.4	Kootenai Ft. Steele to Libby Dam
-0.2	-1.6	Kootenai River below Libby Dam
-1.2	+0.2	Fisher River
+0.2	-1.7	Yaak River
-1.2	-3.3	North Fork Flathead River
-1.3	-3.3	Middle FORK Flathead River
+0.2	-0.2	South Fork Flathead River
-0.2	-2.3	Flathead River at Columbia Falls
-2.0	-1.2	Swan River
-1.9	-2.4	Flathead River at Polson
----	-1.9	Mission Valley
----	+0.2	Little Bitterroot River
-1.5	+1.3	Clark Fork River above Milltown
-2.3	+0.5	Blackfoot River
-2.7	+0.1	Bitterroot River
-2.2	+1.0	Clark Fork River below Bitterroot River
-2.0	-1.2	Clark Fork River below Flathead River
-0.7	-0.2	Beaverhead River
-3.3	-0.5	Ruby River
-2.0	+0.3	Big Hole River
-0.9	+0.7	Boulder River (Jefferson)
+0.1	+1.4	Jefferson River
-1.6	0.0	Madison River
-1.0	+1.0	Gallatin River
-0.8	+0.2	Missouri River above Canyon Ferry
-0.8	-0.3	Missouri River below Canyon Ferry
-0.4	+0.5	Smith River
-2.1	-2.3	Sun River
-0.7	+0.2	Teton River
-2.3	-2.2	Birch/Dupuyer Creeks
+3.4	+1.3	Upper Judith River
-1.6	-1.8	Marias River above Tiber
-0.8	-1.7	Marias River below Tiber
+1.1	+1.2	Musselshell River
-0.2	0.0	Missouri River above Ft. Peck
-1.8	-2.7	Missouri River below Ft. Peck
-0.9	-2.3	St. Mary River
+0.3	+0.2	Milk River
-1.7	-1.6	Dearborn River near Craig
-2.8	+0.4	Yellowstone River above Livingston
-0.7	+1.9	Shields River
-2.5	+0.6	Boulder River (Yellowstone)
-2.0	-0.5	Stillwater River
-0.7	0.0	Rock/Red Lodge Creeks
-2.7	-0.9	Clarks Fork River
-2.6	+0.1	Yellowstone River above Bighorn River
-0.9	+0.3	Bighorn River below Bighorn Lake
-2.5	+1.0	Little Bighorn River
-1.9	+0.2	Yellowstone River below Bighorn River
-1.7	+2.5	Tongue River
-1.6	+1.1	Powder River

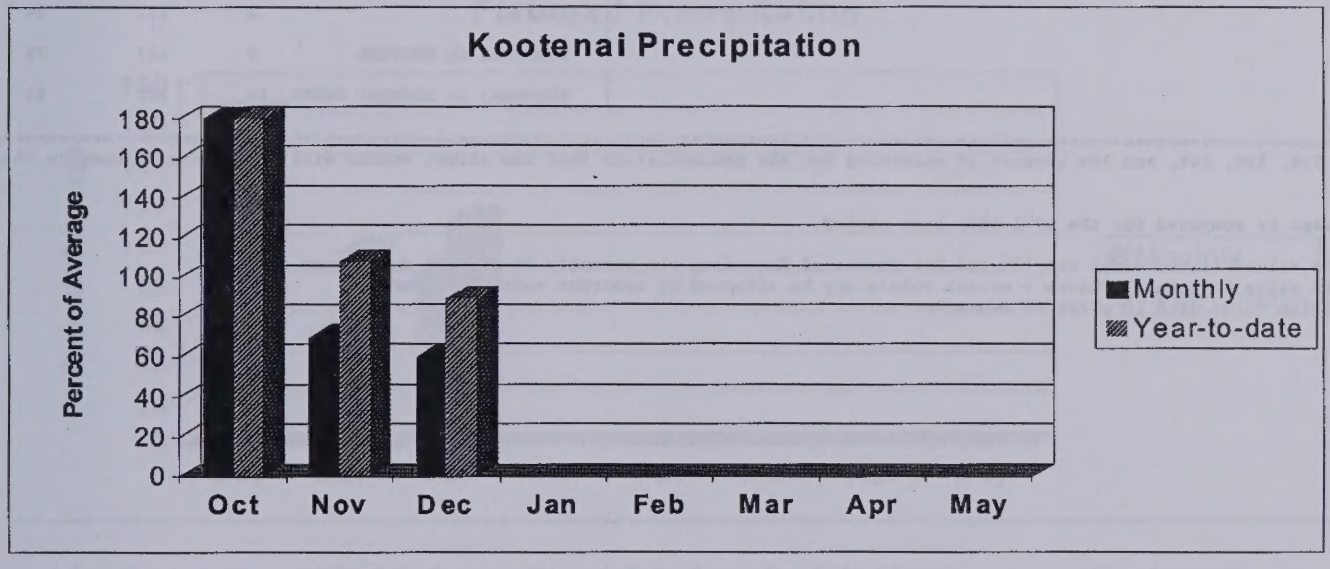
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were below average. Snow water content was 78 percent of average and 117 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 1977and 2005; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during December was 60 percent of average and 63 percent of last year. Valley precipitation during December was 60 percent of average and 47 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 89 percent of average and 116 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 73 percent to 84 percent.

Lake Koocanusa storage was 121 percent of average and 100 percent of last year.

Surface Water Supply Index (SWSI) was -0.3 in the Tobacco River; +0.7 in the Kootenai Ft. Steele to Libby Dam; -0.2 in the Kootenai River below Libby Dam; -1.2 in the Fisher River; and +0.2 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<------ Drier ------ Future Conditions ------ Wetter ------>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TOBACCO RIVER nr Eureka	APR-JUL	79	105	123	90	141	167	136
	APR-SEP	89	117	136	91	155	183	150
LIBBY RES Inflow (1,2)	APR-JUL	3840	4610	4960	88	5310	6080	5640
	APR-SEP	4500	5400	5810	88	6220	7120	6640
FISHER RIVER nr Libby	APR-JUL	72	130	169	74	210	265	230
	APR-SEP	80	139	180	74	220	280	245
YAAK RIVER nr Troy	APR-JUL	240	320	375	81	430	510	465
	APR-SEP	250	335	390	80	445	530	490
KOOTENAI at Leonia (1,2)	APR-JUL	4640	5660	6120	87	6580	7600	7040
	APR-SEP	5320	6510	7050	87	7590	8780	8120

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	3746.0	3747.0	3090.1

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
KOOTENAY in CANADA	5	126	92
KOOTENAI MAINTSTEM	3	106	71
TOBACCO	3	142	86
FISHER	1	66	68
YAAK	2	122	84
KOOTENAI in MONTANA	9	117	78
KOOTENAI ab BONNERS FERRY	14	121	83

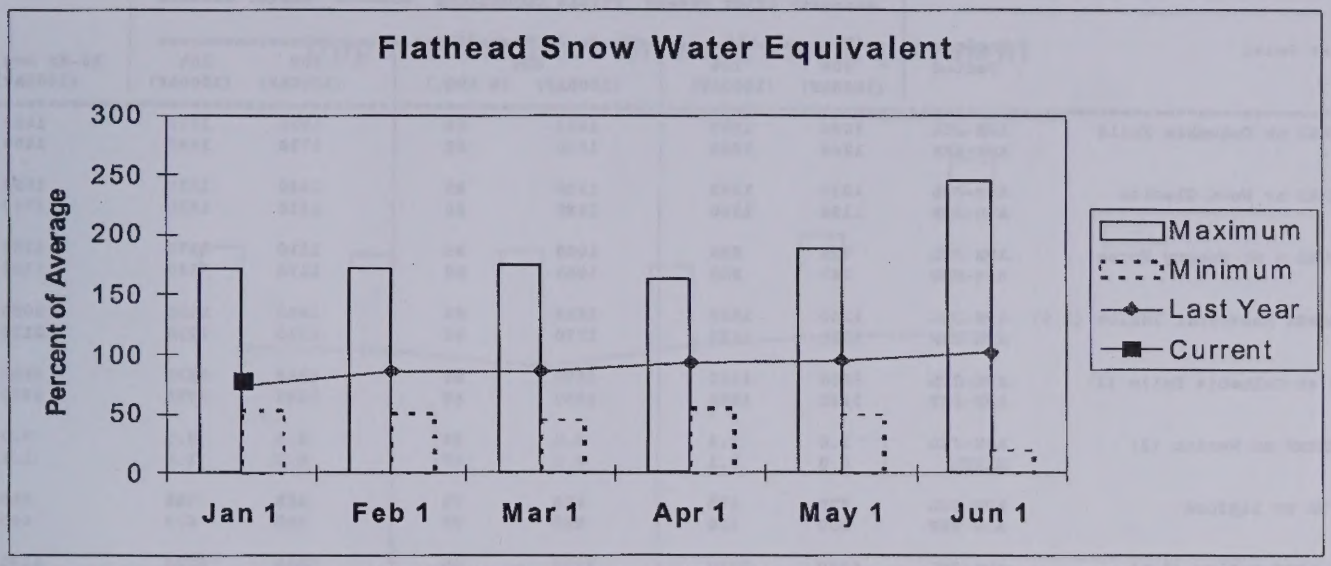
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

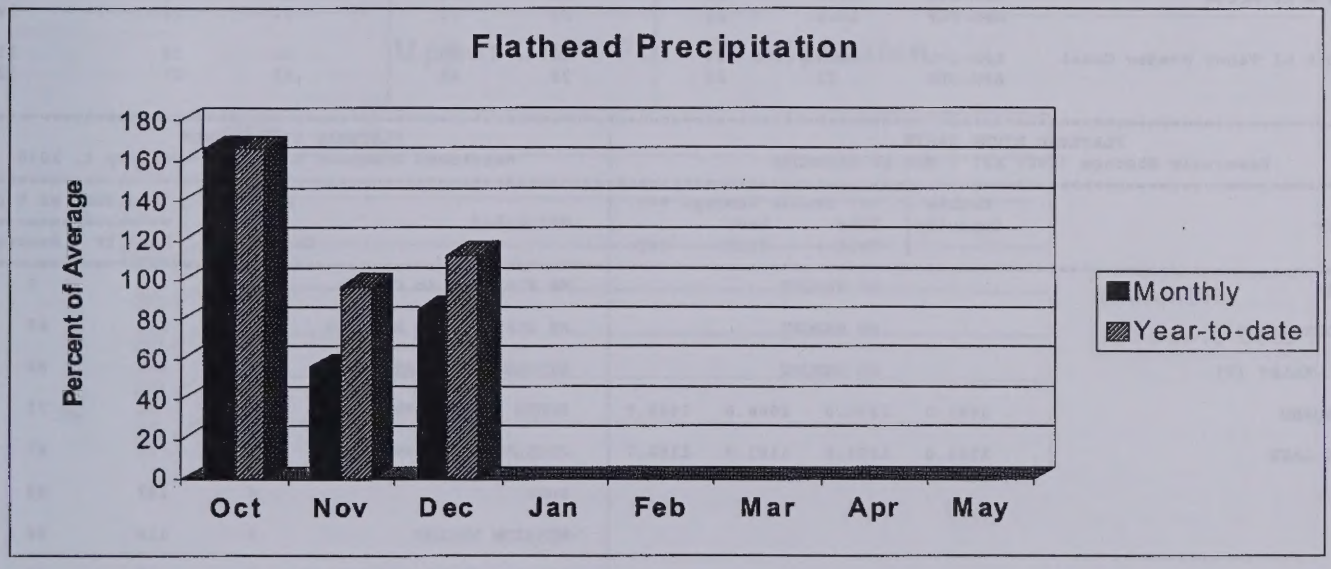
Flathead River Basin

Snowpack conditions in the Flathead River Basin were below average. Snow water content was 78 percent of average and 105 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1997 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during December was 86 percent of average and 82 percent of last year. Valley precipitation during December was 83 percent of average and 63 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 92 percent of average and 113 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 70 percent to 81 percent.

Combined Camas reservoir storage was not available; Lower Jocko Lake was not available; combined Mission Valley reservoir storage was not available; Hungry Horse storage was at 120 percent of average and 109 percent of last year; and Flathead Lake storage was 101 percent of average and 102 percent of last year.

Surface Water Supply Index (SWSI) was -1.2 in the North Fork Flathead River; -1.3 in the Middle Fork Flathead River; +0.2 in the South Fork Flathead River; -0.2 in the Flathead River at Columbia Falls; -2.0 in the Swan River; -1.9 in the Flathead River at Polson; not available in the Mission Valley; and not available in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ====== Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
NF FLATHEAD nr Columbia Falls	APR-JUL	1090	1290	1430	88	1570	1770	1620
	APR-SEP	1240	1450	1590	88	1730	1940	1800
MF FLATHEAD nr West Glacier	APR-JUL	1030	1220	1350	85	1480	1670	1590
	APR-SEP	1150	1350	1480	85	1610	1810	1740
SF FLATHEAD R Nr Hungry Horse	APR-JUL	725	890	1000	80	1110	1270	1250
	APR-SEP	785	950	1060	80	1170	1330	1330
HUNGRY HORSE Reservoir Inflow (1,2)	APR-JUL	1200	1520	1660	83	1800	2120	2000
	APR-SEP	1310	1630	1770	84	1910	2230	2120
FLATHEAD at Columbia Falls (2)	APR-JUL	3580	4160	4550	85	4940	5520	5350
	APR-SEP	3980	4560	4950	85	5340	5920	5820
ASHLEY CREEK nr Marion (2)	APR-JUL	1.0	2.1	3.8	53	5.5	8.1	7.2
	MARCH	0.0	0.1	0.5	47	0.9	1.6	1.1
SWAN RIVER nr Bigfork	APR-JUL	275	355	410	73	465	545	565
	APR-SEP	350	430	490	76	550	630	645
FLATHEAD LAKE Inflow (1,2)	APR-JUL	4730	5090	5250	85	5410	5770	6180
	APR-SEP	5140	5530	5700	85	5870	6260	6700
MILL CREEK nr Niarada	APR-JUL	0.8	2.1	3.0	73	3.9	5.2	4.1
	APR-SEP	1.1	2.4	3.3	74	4.2	5.5	4.5
South Crow Ck nr Ronan	APR-JUL	6.7	8.0	8.9	88	9.8	11.1	10.1
	APR-SEP	7.6	9.1	10.1	88	11.1	12.6	11.5
Mission Ck nr St. Ignatius	APR-JUL	18.0	20	22	87	24	26	25
	APR-SEP	21	24	26	86	28	31	30
SF Jocko R nr Arlee	APR-JUL	13.4	21	26	86	31	39	30
	APR-SEP	16.0	24	29	85	34	42	34
NF JOCKO R bl Tabor Feeder Canal	APR-JUL	19.8	25	28	90	31	36	31
	APR-SEP	21	26	29	88	32	37	33

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAMAS (4)		NO REPORT		
LOWER JOCKO LAKE		NO REPORT		
MISSION VALLEY (8)		NO REPORT		
HUNGRY HORSE	3451.0	2894.0	2646.0	2420.9
FLATHEAD LAKE	1791.0	1209.0	1181.0	1192.7

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
NF FLATHEAD in CANADA	0	0	0
NF FLATHEAD in MONTANA	6	142	89
MIDDLE FORK FLATHEAD	5	145	86
SOUTH FORK FLATHEAD	6	91	73
STILLWATER-WHITEFISH	4	72	67
SWAN	6	103	80
MISSION VALLEY	3	118	88
LITTLE BITTERROOT-ASHLEY	4	38	38
JOCKO	4	83	69
FLATHEAD in MONTANA	27	105	78
FLATHEAD RIVER BASIN	27	105	78

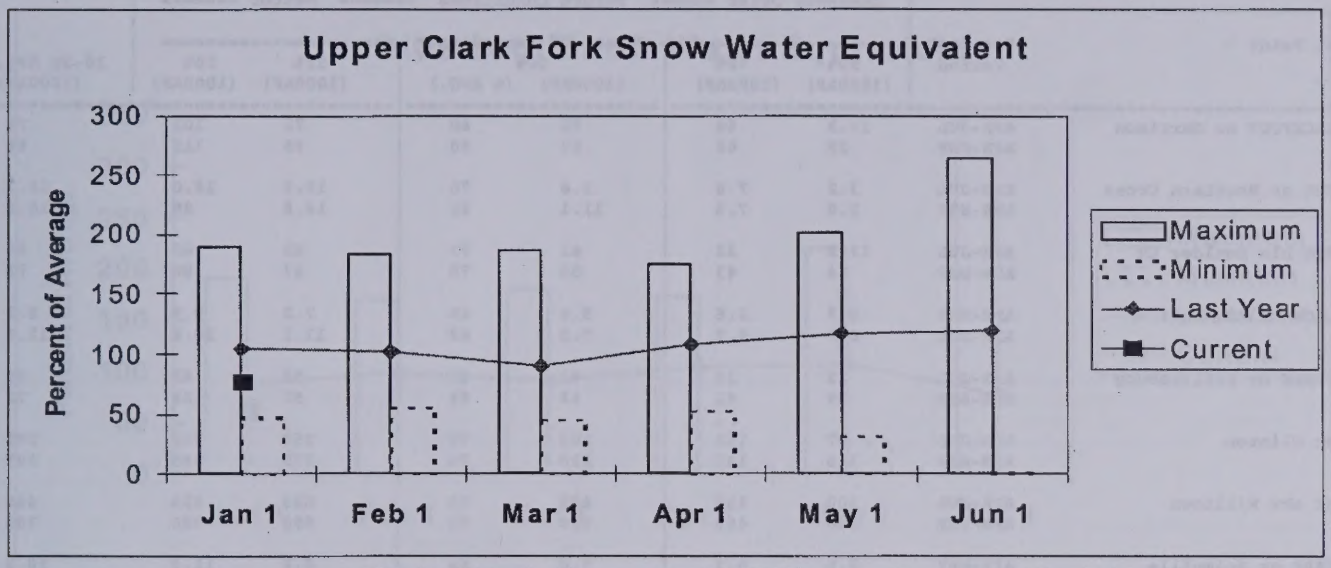
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

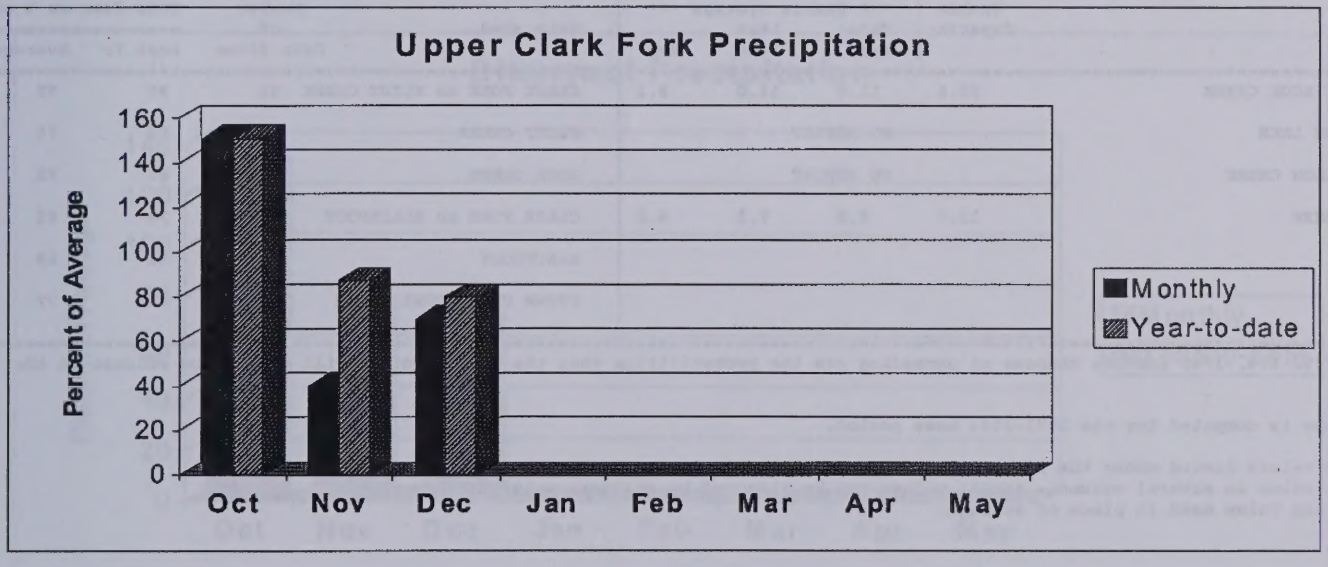
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were below average. Snow water content was 77 percent of average and 77 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during December was 69 percent of average and 56 percent of last year. Valley precipitation during December was 75 percent of average and 43 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 80 percent of average and 68 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 57 percent to 73 percent.

East Fork Rock Creek storage was 134 percent of average and 100 percent of last year; Georgetown Lake was not available; Lower Willow Creek storage was not available; and Nevada Creek storage was 157 percent of average and 90 percent of last year.

Surface Water Supply Index (SWSI) was -1.5 in the Clark Fork River above Milltown; and -2.3 in the Blackfoot River.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<------ Drier ------ Future Conditions ------ Wetter ------>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LITTLE BLACKFOOT nr Garrison	APR-JUL	19.3	44	61	80	78	103	76
	APR-SEP	23	49	67	80	85	111	84
FLINT CREEK nr Southern Cross	APR-JUL	3.2	7.0	9.6	70	12.2	16.0	13.7
	APR-SEP	2.0	7.4	11.1	69	14.8	20	16.2
FLINT CREEK blw Boulder Ck	APR-JUL	17.2	33	43	77	53	69	56
	APR-SEP	24	43	55	78	67	86	71
LOWER WILLOW CK RES Inflow	APR-MAY	0.9	3.6	5.4	66	7.2	9.9	8.2
	APR-JUL	0.0	4.7	7.9	63	11.1	15.8	12.5
MF ROCK CREEK nr Philipsburg	APR-JUL	23	34	42	66	50	61	64
	APR-SEP	29	41	49	68	57	69	72
Rock Ck Nr Clinton	APR-JUL	97	161	205	76	250	315	270
	APR-SEP	115	183	230	75	275	345	305
CLARK FORK abv Milltown	APR-JUL	300	390	455	75	520	610	605
	APR-SEP	360	460	530	75	600	700	705
NEVADA CREEK nr Helmville	APR-MAY	2.5	5.2	7.0	68	8.8	11.5	10.3
	APR-JUL	4.2	8.8	12.0	69	15.2	19.8	17.3
BLACKFOOT RIVER nr Bonner	APR-JUL	320	500	620	77	740	920	805
	APR-SEP	375	565	690	78	815	1000	890
CLARK FORK abv Missoula	APR-JUL	770	950	1070	76	1190	1370	1410
	APR-SEP	900	1090	1220	76	1350	1540	1600

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
EAST FORK ROCK CREEK	15.6	11.0	11.0	8.2
GEORGETOWN LAKE		NO REPORT		
LOWER WILLOW CREEK		NO REPORT		
NEVADA CREEK	12.6	6.6	7.3	4.2

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	10	85	95
FLINT CREEK	5	56	74
ROCK CREEK	3	62	72
CLARK FORK ab BLACKFOOT	15	74	85
BLACKFOOT	13	81	69
UPPER CLARK FORK BASIN	26	77	77

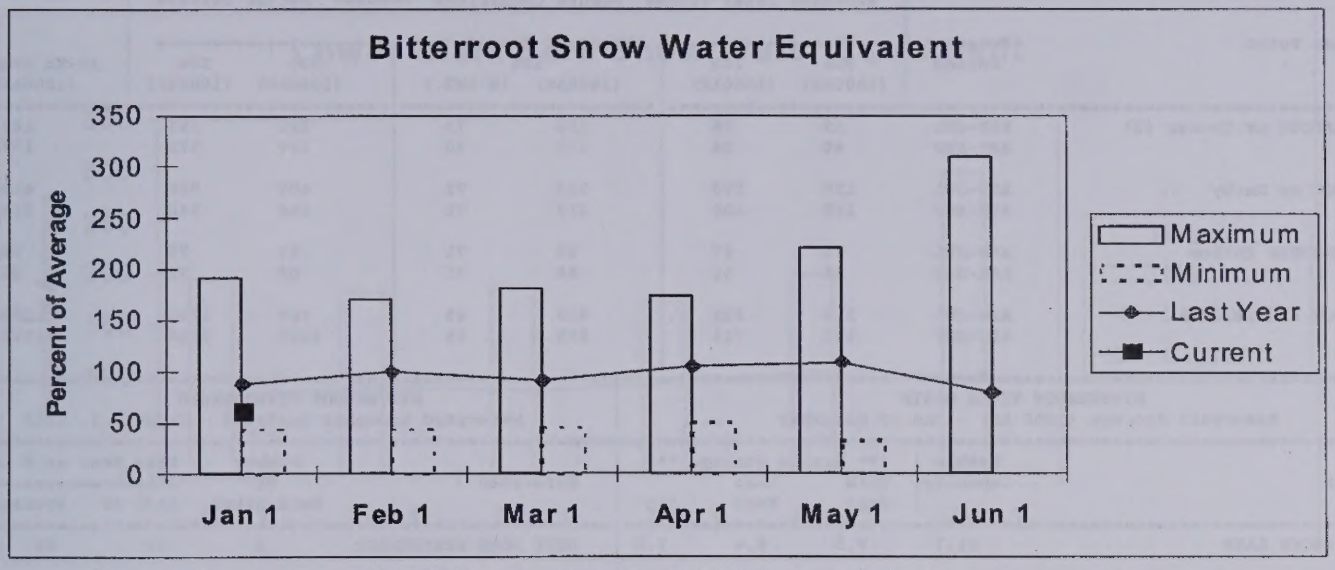
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

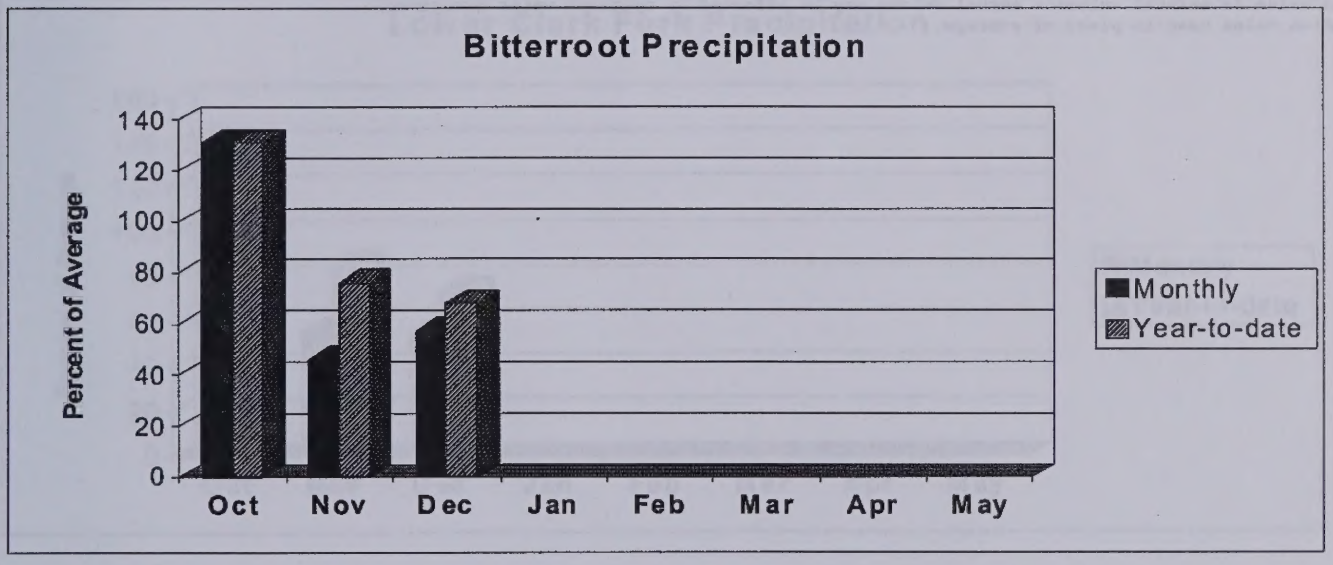
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were well below average. Snow water content was 61 percent of average and 70 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977 and 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and 1974 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during December was 58 percent of average and 47 percent of last year. Valley precipitation during December was 50 percent of average and 29 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 68 percent of average and 62 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 55 percent to 70 percent.

Painted Rocks Lake storage was 100 percent of average and 80 percent of last year and Como storage was 102 percent of average and 59 percent of last year.

Surface Water Supply Index (SWSI) was -2.7 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ====== Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF BITTERROOT nr Conner (2)	APR-JUL	39	75	100	70	125	161	143
	APR-SEP	45	84	110	70	136	175	157
BITTERROOT nr Darby	APR-JUL	155	260	330	72	400	505	460
	APR-SEP	199	300	370	72	440	540	515
COMO RESERVOIR Inflow	APR-JUL	35	47	55	71	63	75	78
	APR-SEP	38	50	58	71	66	78	82
BITTERROOT at Missoula	APR-JUL	375	635	810	65	985	1240	1250
	APR-SEP	445	710	895	65	1080	1350	1370

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
PAINTED ROCKS LAKE	31.7	7.5	9.4	7.5
COMO	34.9	9.1	15.4	8.9

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	2	69	62
EAST SIDE BITTERROOT	3	68	61
WEST SIDE BITTERROOT	3	71	60
BITTERROOT RIVER BASIN	7	70	61

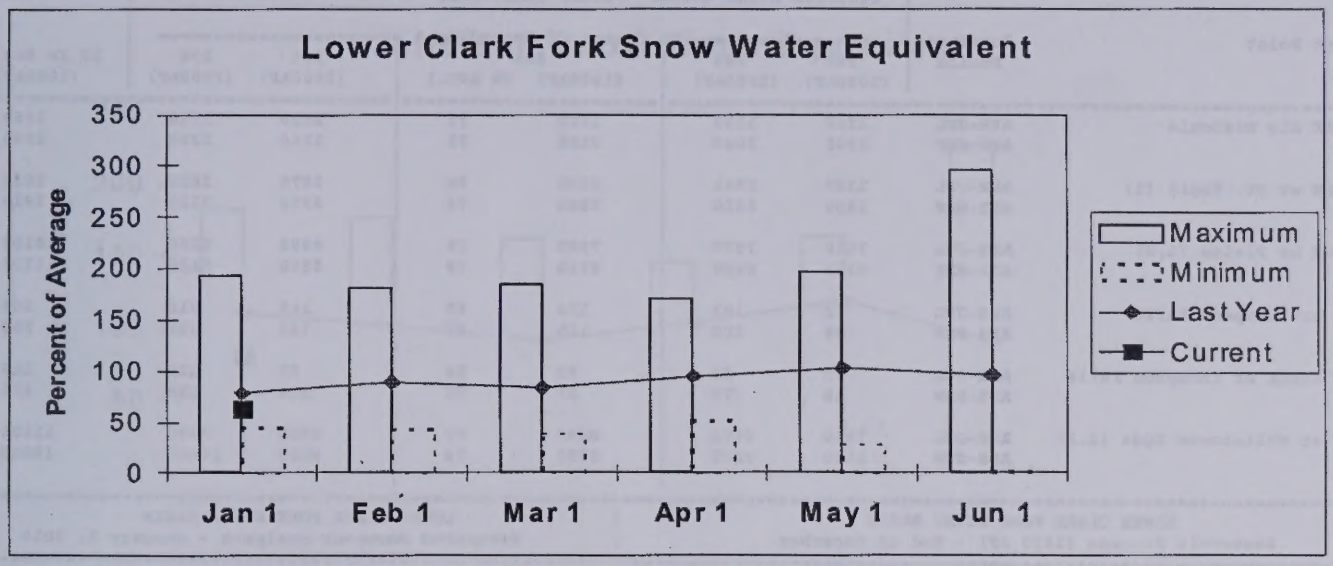
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

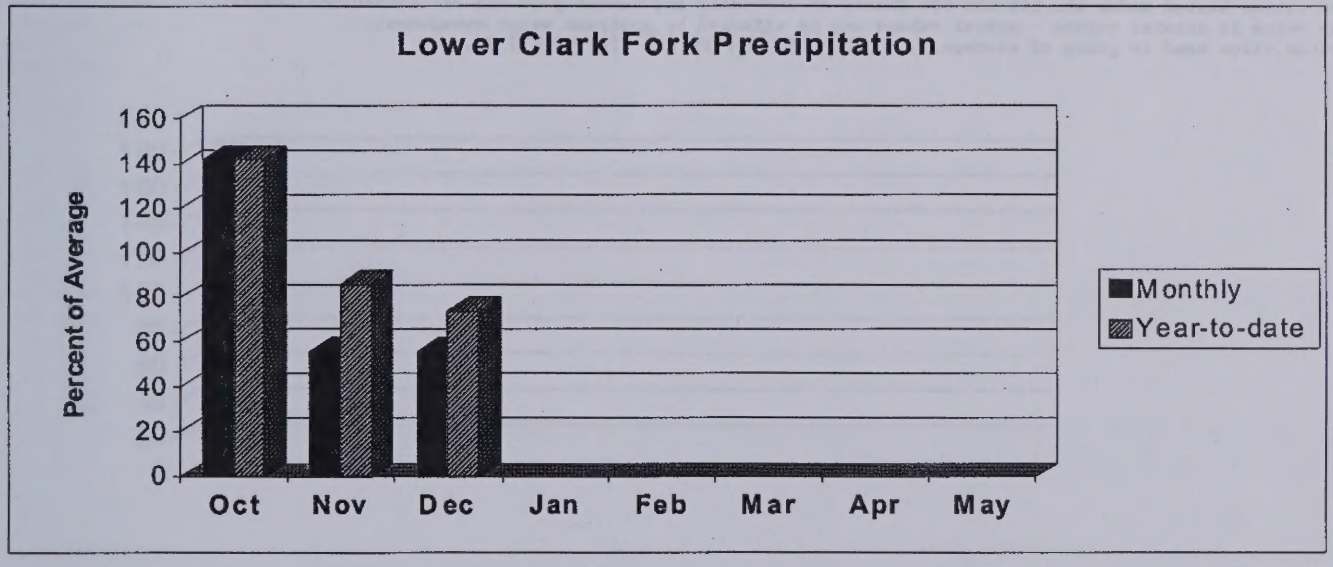
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were well below average. Snow water content was 63 percent of average and 81 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during December was 59 percent of average and 56 percent of last year. Valley precipitation during December was 44 percent of average and 38 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 74 percent of average and 85 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 67 percent to 73 percent.

Noxon Rapids storage was 99 percent of average and 98 percent of last year.

Surface Water Supply Index (SWSI) was -2.2 in the Clark Fork River below Bitterroot River and -2.0 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
CLARK FORK blw Missoula	APR-JUL	1740	1860	1940	73	2020	2140	2660
	APR-SEP	1940	2060	2150	73	2240	2360	2960
CLARK FORK at St. Regis (1)	APR-JUL	2380	2530	2600	74	2670	2820	3520
	APR-SEP	2650	2810	2880	74	2950	3110	3910
CLARK FORK nr Plains (1,2)	APR-JUL	7620	7870	7980	79	8090	8340	10100
	APR-SEP	8330	8600	8730	79	8860	9130	11100
THOMPSON nr Thompson Falls	APR-JUL	58	103	134	65	165	210	205
	APR-SEP	74	122	155	67	188	235	230
PROSPECT CREEK at Thompson Falls	APR-JUL	39	63	79	68	95	119	116
	APR-SEP	46	70	87	70	104	128	124
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	7920	8450	8690	77	8930	9460	11300
	APR-SEP	8680	9280	9550	76	9820	10400	12500

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NOXON RAPIDS	335.0	314.2	319.0	315.8

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	This Year as % of Average
LOWER CLARK FORK BASIN	8	81	63

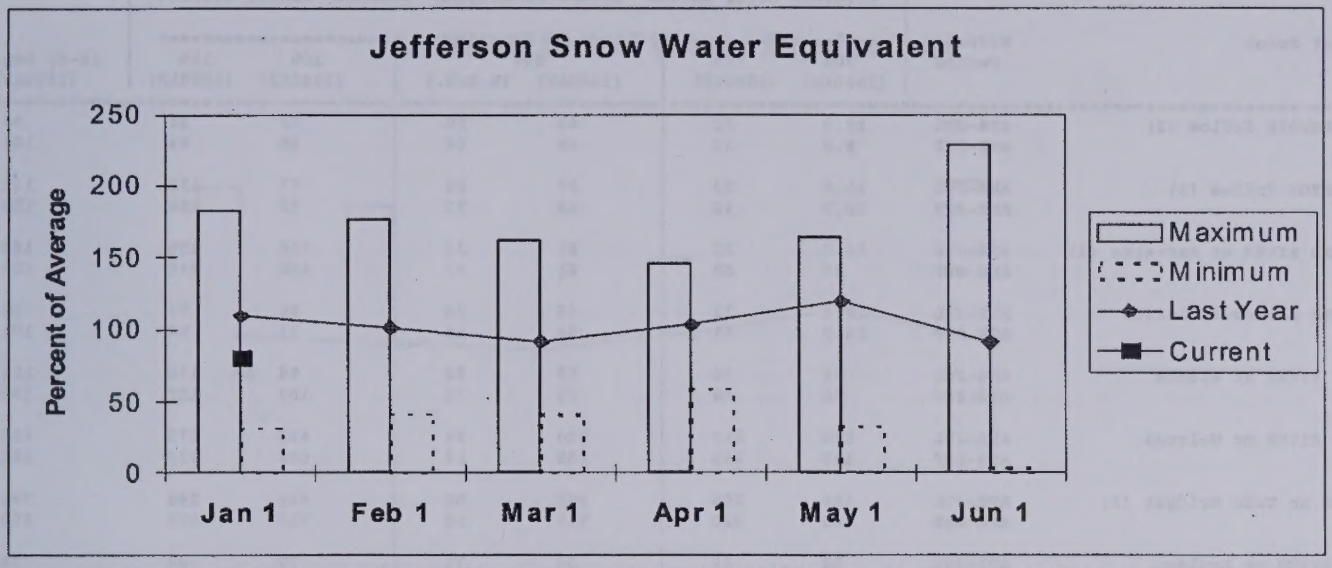
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

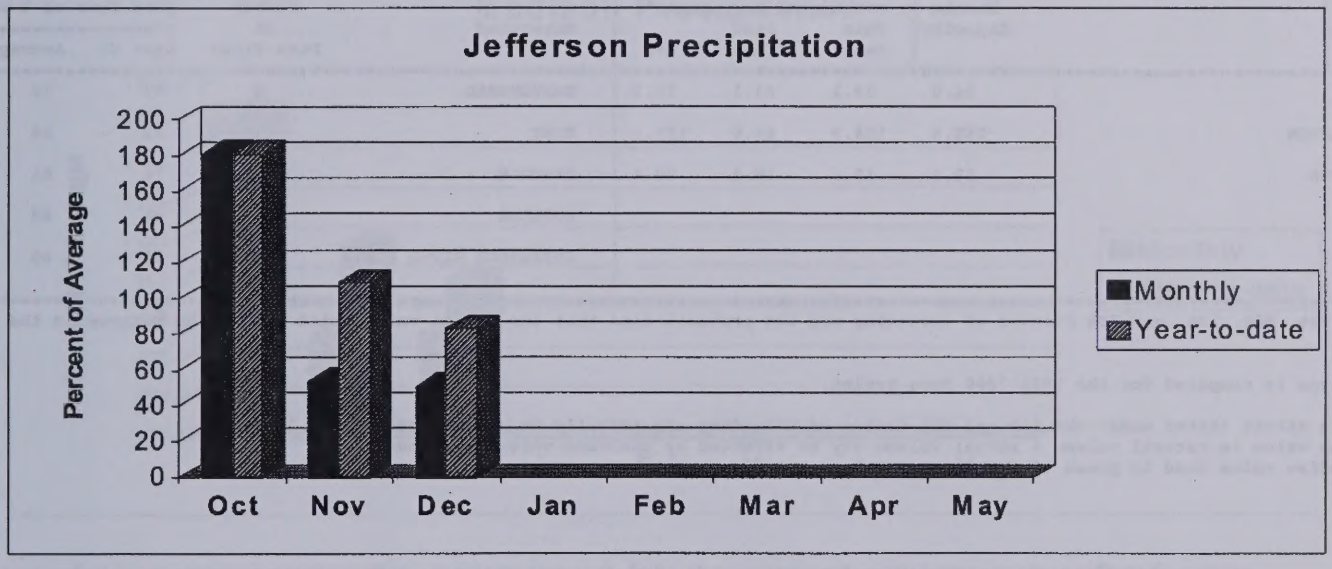
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were below average. Snow water content was 80 percent of average and 75 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during December was 51 percent of average and 44 percent of last year. Valley precipitation during December was 59 percent of average and 15 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 83 percent of average and 71 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 37 percent to 56 percent.

Lima storage was 121 percent of average and 118 percent of last year; Clark Canyon storage was 111 percent of average and 159 percent of last year; and Ruby River storage was 96 percent of average and 101 percent of last year.

Surface Water Supply Index (SWSI) was -0.7 in the Beaverhead River; -3.3 in the Ruby River; -2.0 in the Big Hole River; -0.9 in the Boulder River; and +0.1 in the Jefferson River as a whole.

JEFFERSON RIVER BASIN
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<=== Drier ===== Future Conditions ===== Wetter ===>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LIMA RESERVOIR Inflow (2)	APR-JUL	12.0	33	48	50	63	84	96
	APR-SEP	9.0	31	48	46	65	89	104
CLARK CANYON Inflow (2)	APR-JUL	11.0	20	37	28	77	135	131
	APR-SEP	19.0	32	48	31	92	156	156
BEAVERHEAD RIVER at Barretts (2)	APR-JUL	15.0	25	63	38	114	190	168
	APR-SEP	32	52	81	41	140	230	200
RUBY RIVER Reservoir Inflow	APR-JUL	12.8	33	46	55	59	79	84
	APR-SEP	18.0	41	56	55	71	94	101
BIG HOLE RIVER at Wisdom	APR-JUL	24	36	60	50	95	146	121
	APR-SEP	26	40	65	50	102	157	130
BIG HOLE RIVER nr Melrose	APR-JUL	128	215	320	53	425	575	610
	APR-SEP	142	245	355	54	465	630	660
JEFFERSON nr Twin Bridges (2)	APR-JUL	186	295	465	59	635	885	785
	APR-SEP	205	320	510	58	700	975	880
BOULDER RIVER nr Boulder	APR-JUL	28	46	58	74	70	88	78
	APR-SEP	31	50	63	74	76	95	85
WILLOW CREEK Reservoir Inflow	APR-JUL	4.1	11.1	15.9	89	21	28	17.9
	APR-SEP	5.1	12.6	17.8	89	23	31	20
JEFFERSON RIVER nr Three Forks (2)	APR-JUL	210	345	530	68	715	990	780
	APR-SEP	230	375	580	67	785	1090	860

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LIMA	84.0	39.1	33.1	32.2
CLARK CANYON	255.6	152.9	96.0	137.5
RUBY RIVER	38.8	19.6	19.5	20.4

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	8	67	72
RUBY	5	83	84
BIGHOLE	10	74	81
BOULDER	6	81	89
JEFFERSON RIVER BASIN	24	75	80

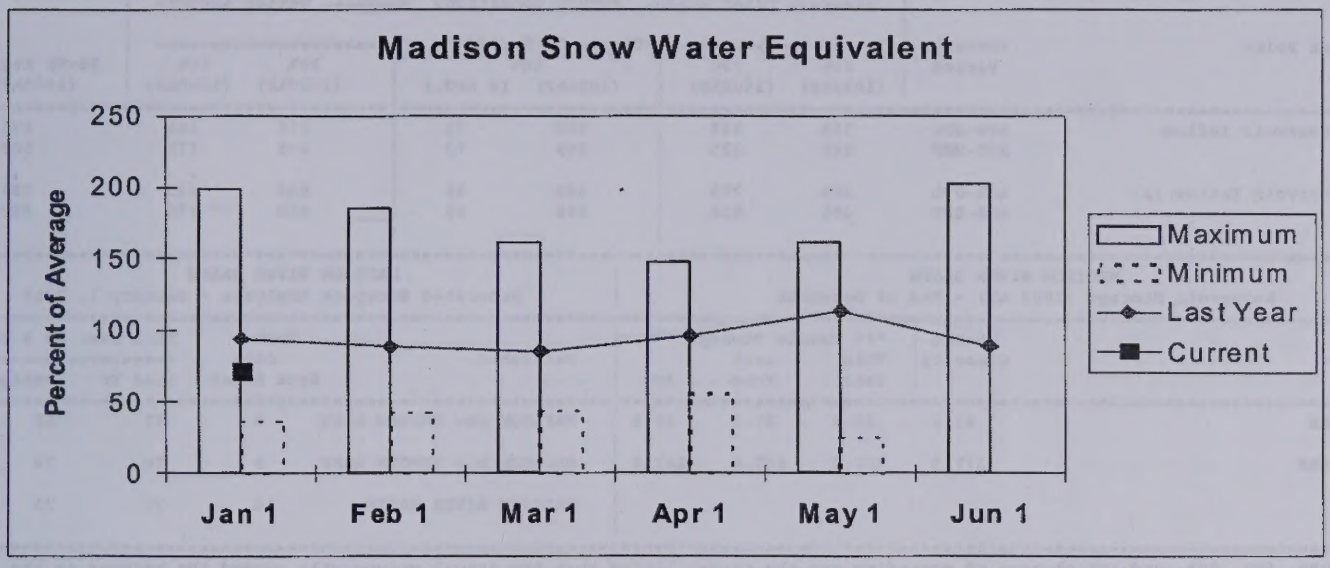
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

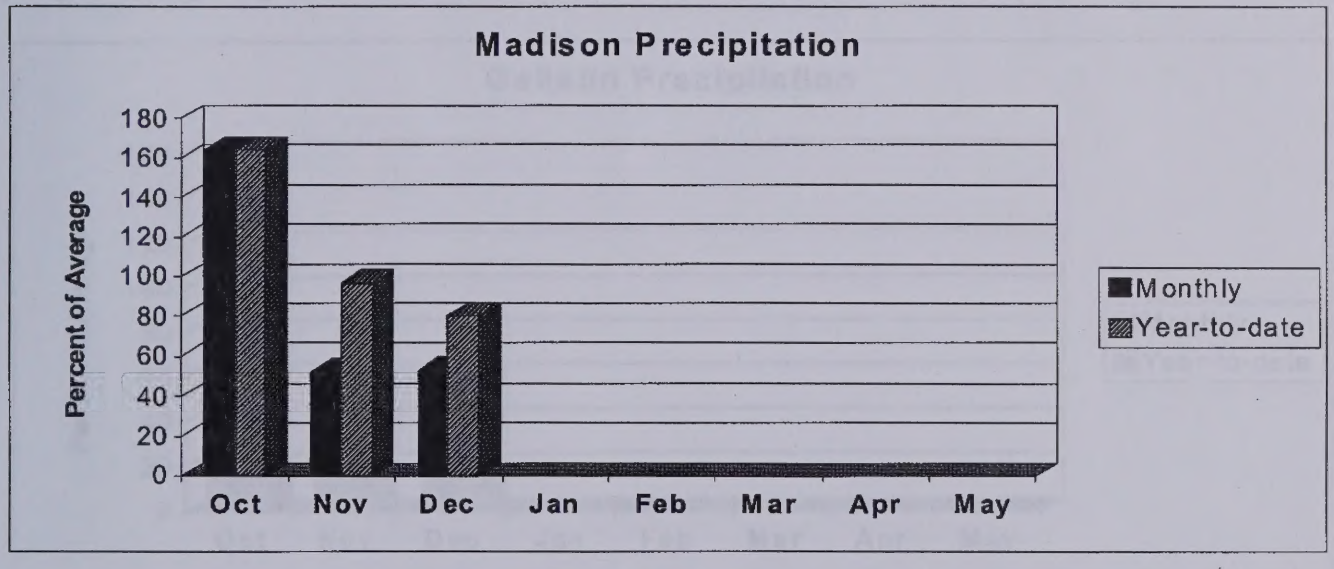
Madison River Basin

Snowpack conditions in the Madison River Basin were below average. Snow water content was 71 percent of average and 75 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 1987 and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during December was 53 percent of average and 46 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 80 percent of average and 77 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 60 percent to 70 percent.

Ennis Lake storage was 92 percent of average and 105 percent of last year and Hebgen Lake storage was 122 percent of average and 114 percent of last year.

Surface Water Supply Index (SWSI) was -1.6 for the Madison River.

MADISON RIVER BASIN
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ====== Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
HEBGEN Reservoir Inflow	APR-JUL	194	245	280	71	315	365	395
	APR-SEP	260	325	365	72	405	470	505
ENNIS Reservoir Inflow (2)	APR-JUL	305	395	460	68	525	615	680
	APR-SEP	405	515	590	69	665	775	850

MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ENNIS LAKE	41.0	28.9	27.4	31.5
HEBGEN LAKE	377.5	327.0	285.8	267.6

MADISON RIVER BASIN
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	71	63
MADISON blw HEBGEN LAKE	8	78	78
MADISON RIVER BASIN	14	75	71

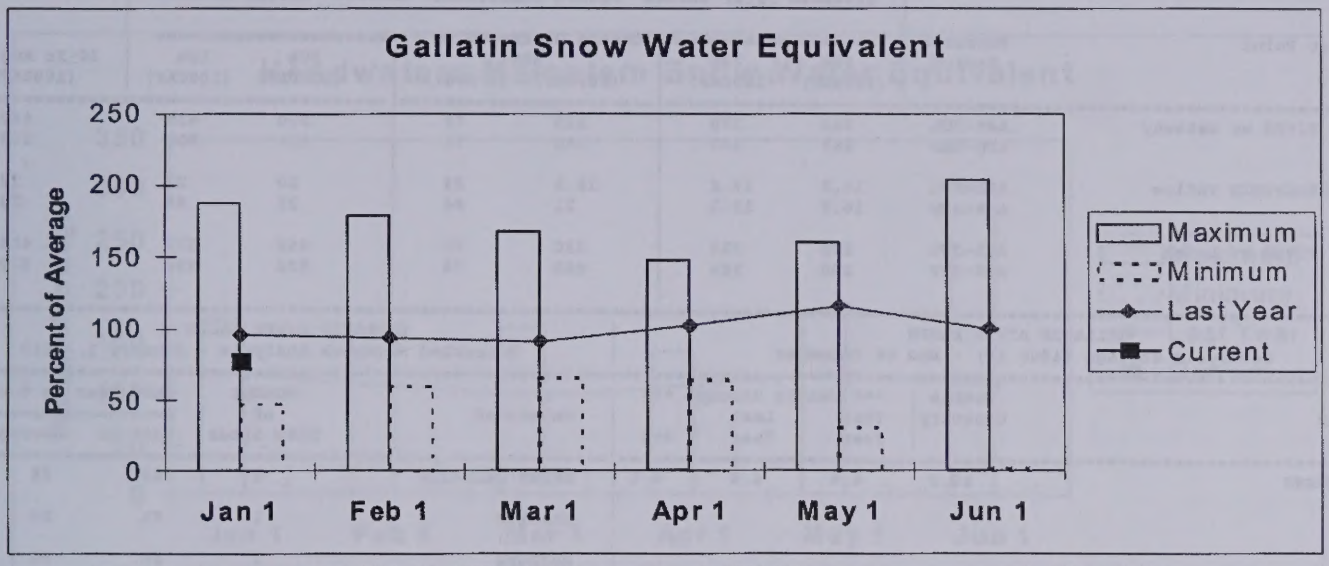
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

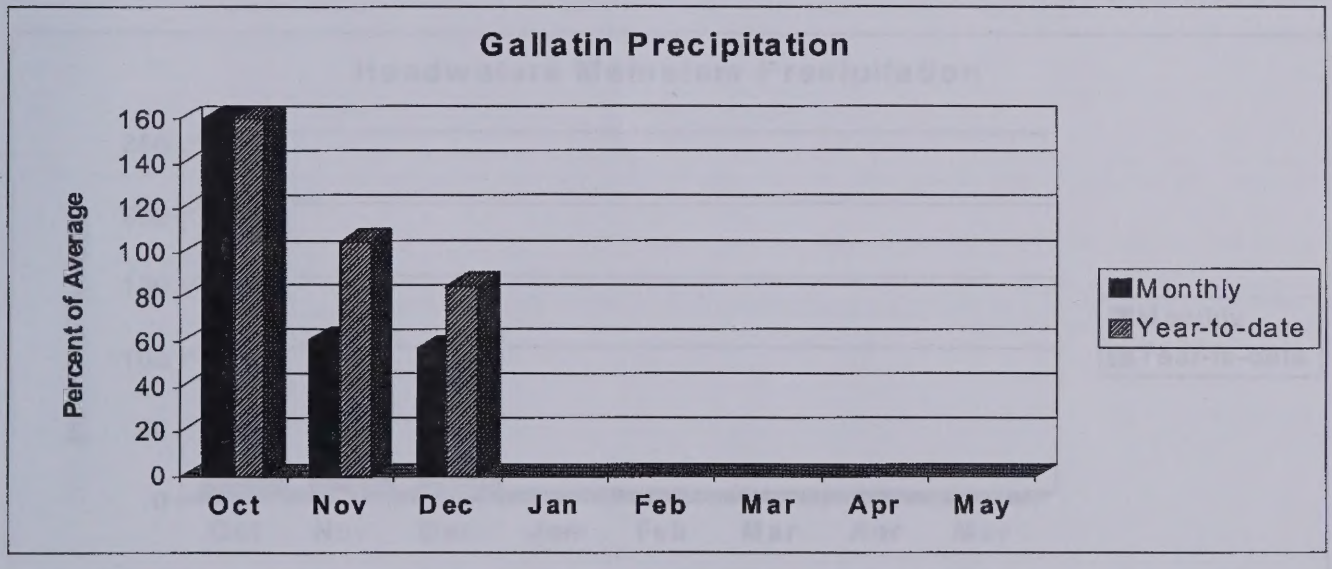
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were below average. Snow water content was 77 percent of average and 80 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977and 2005; April maximum swe was in 1997 and minimum was in 1987; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during December was 58 percent of average and 47 percent of last year. Valley precipitation during December was 19 percent of average and 17 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 85 percent of average and 75 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 68 percent to 79 percent.

Middle Creek storage was 159 percent of average and 100 percent of last year.

Surface Water Supply Index (SWSI) was -1.0 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GALLATIN RIVER nr Gateway	APR-JUL	215	280	325	74	370	435	440
	APR-SEP	255	330	380	74	430	505	515
HYALITE RESERVOIR Inflow	APR-JUL	14.2	16.6	18.3	83	20	22	22
	APR-SEP	16.7	19.2	21	84	23	25	25
GALLATIN RIVER at Logan	APR-JUL	205	315	390	79	465	575	495
	APR-SEP	240	360	445	78	530	650	570

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MIDDLE CREEK	10.2	6.5	6.5	4.1

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GALLATIN	4	69	68
HYALITE	2	91	90
BRIDGER	2	96	86
GALLATIN RIVER BASIN	8	80	77

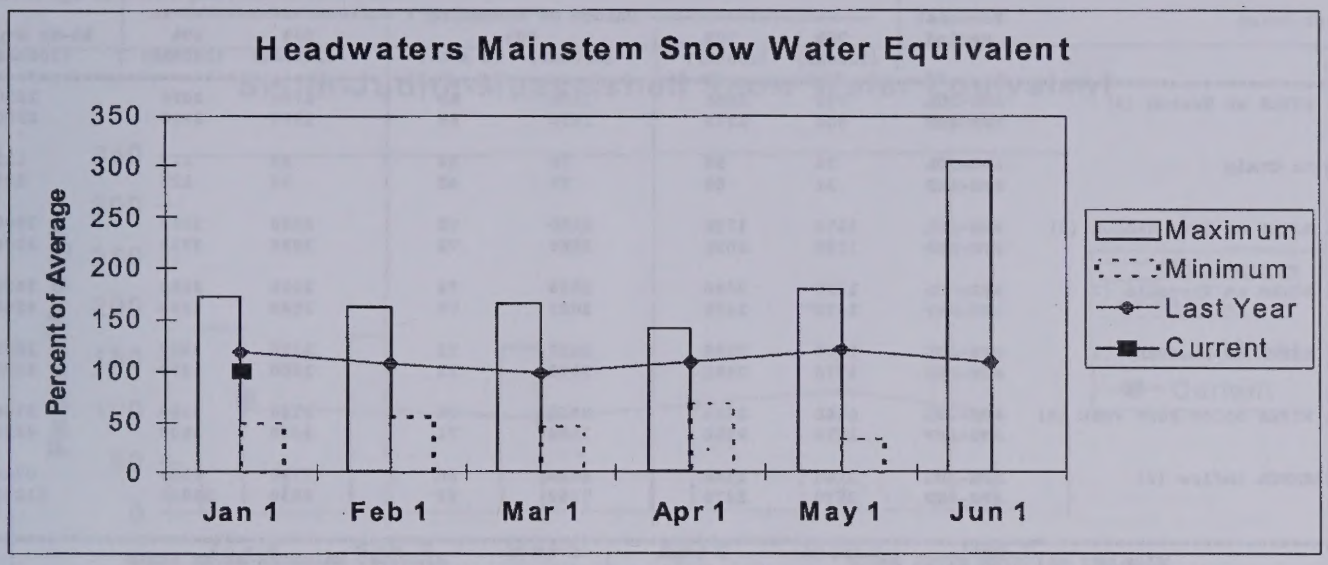
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

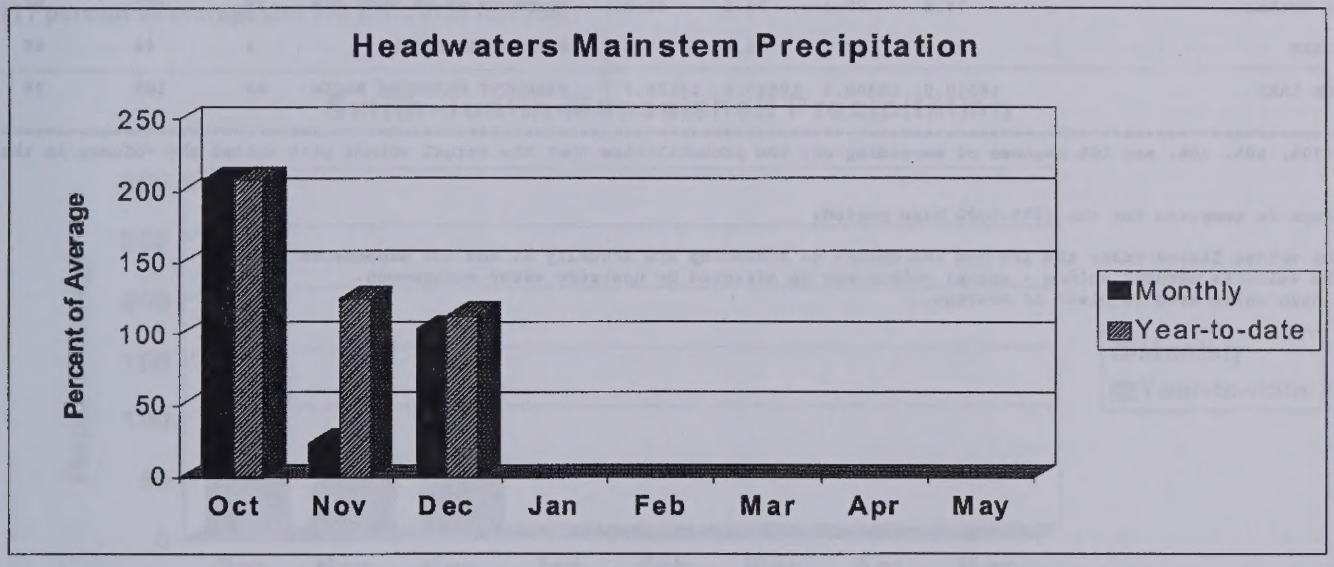
Missouri Mainstem River Basin

Snowpack conditions for the Missouri Mainstem were near average. Snow water content is 96 percent of average and 106 percent of last year. Snowpack in the Headwaters Missouri Mainstem River Basin were at average. Snow water content was 100 percent of average and 92 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977 and 1988; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961, 1966 and 2005; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during December was 73 percent of average and 60 percent of last year. Valley precipitation during December was 189 percent of average and 95 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 113 percent of average and 88 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 55 to 69 percent.

Canyon Ferry Lake storage was 97 percent of average and 98 percent of last year; Helena Valley storage was 133 percent of average and 119 percent of last year; Lake Helena storage was 289 percent of average and 328 percent of last year; Hauser & Helena storage was 155 percent of average and 131 percent of last year; Holter Lake storage was 101 percent of average and 100 percent of last year; and Fort Peck Lake storage was 83 percent of average and 119 percent of last year.

Surface Water Supply Index (SWSI) was -0.8 in the Missouri River above Canyon Ferry; -0.8 in the Missouri River below Canyon Ferry; -1.7 in the Dearborn River near Craig; -0.2 in the Missouri River above Fort Peck; and -1.8 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
MISSOURI RIVER at Toston (2)	APR-JUL	740	1080	1390	68	1700	2070	2050
	APR-SEP	850	1270	1630	68	1990	2410	2390
DEARBORN nr Craig	APR-JUL	26	52	70	58	88	114	121
	APR-SEP	31	58	77	62	96	123	125
MISSOURI RIVER at Fort Benton (2)	APR-JUL	1170	1750	2150	72	2550	3110	2990
	APR-SEP	1390	2090	2560	72	3030	3720	3570
MISSOURI RIVER at Virgelle (2)	APR-JUL	1420	2090	2550	74	3010	3680	3450
	APR-SEP	1670	2460	3000	74	3540	4330	4060
MISSOURI RIVER nr Landusky (2)	APR-JUL	1410	2130	2620	71	3110	3800	3690
	APR-SEP	1670	2490	3070	71	3650	4490	4350
MISSOURI RIVER below Fort Peck (2)	APR-JUL	1460	2160	2660	71	3160	3880	3740
	APR-SEP	1670	2520	3090	71	3660	4500	4330
LAKE SAKAKAWEA Inflow (2)	APR-JUL	3240	5140	6430	66	7720	9550	9740
	APR-SEP	3670	5870	7350	66	8830	11000	11200

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1615.8	1655.0	1670.3
HELENA VALLEY		NO REPORT		
LAKE HELENA	12.7	36.1	11.0	12.5
HAUSER & HELENA	74.6	97.4	74.1	62.9
HOLTER LAKE	81.9	80.8	80.6	80.0
PORT PECK LAKE	18910.0	12500.0	10520.0	15126.0

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
HEADWATERS MAINSTEM	8	92	100
SMITH-JUDITH-MUSSELSHELL	10	110	113
SUN-TETON-MARIAS	7	133	79
MAINSTEM ab FT PECK RES	24	112	96
MILK RIVER BASIN	3	44	46
MISSOURI MAINSTEM BASIN	26	106	96

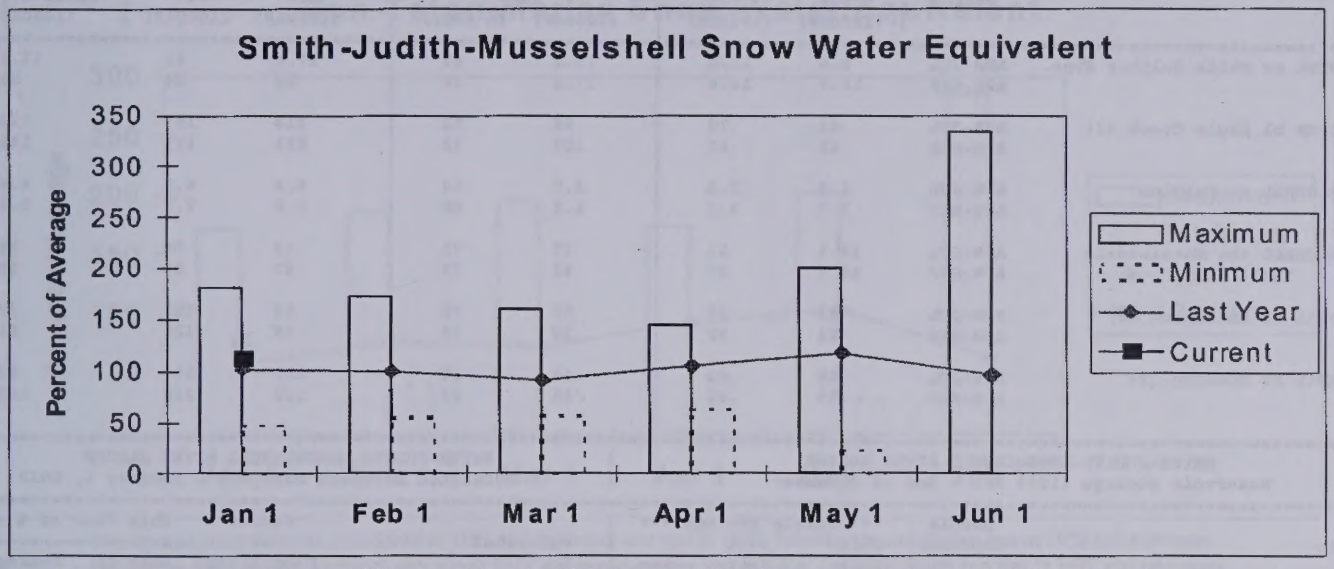
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

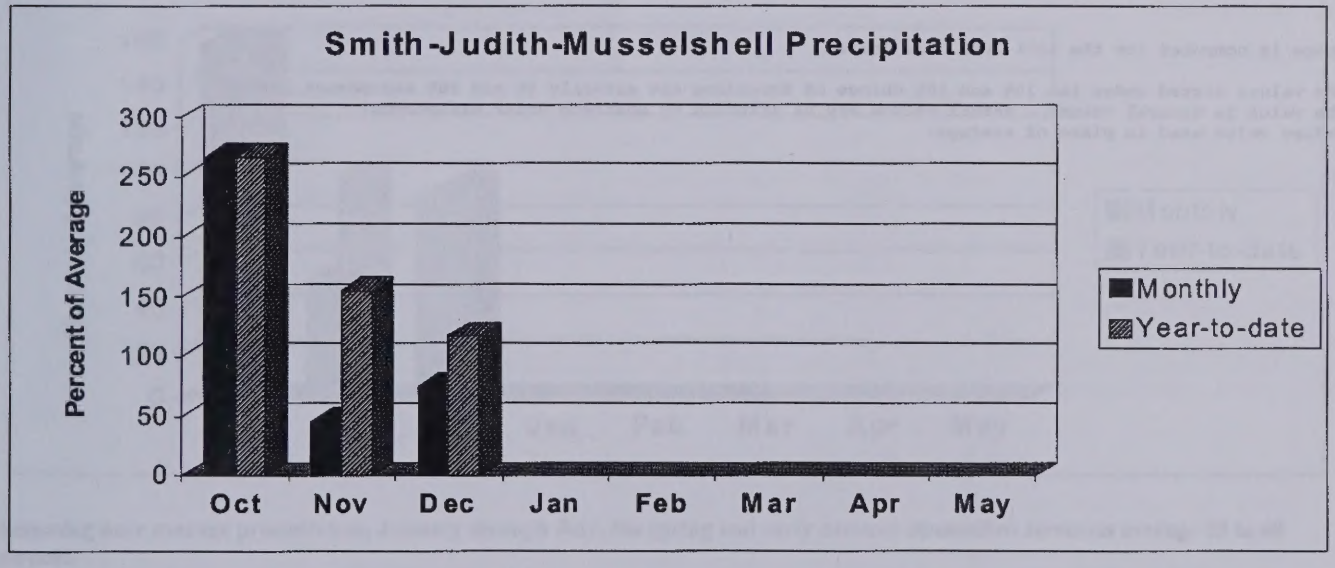
Smith-Judith-Musselshell River Basins

The combined snowpack conditions in the Smith-Judith-Musselshell River Basins were above average. Snow water content in the Smith River Basin was 106 percent of average and 100 percent of last year; in the Judith River Basin was 126 percent of average and 125 percent of last year; and in the Musselshell River Basin was 105 percent of average and 111 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987 and 2005; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during December in the Smith-Belts was 76 percent of average and 66 percent of last year; in the Judith was 70 percent of average and 130 percent of last year; and in the Musselshell was 80 percent of average and 54 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 117 percent of average and 102 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 53 to 75 percent.

Smith River storage was 118 percent of average and 103 percent of last year; Ackley Lake was 125 percent of average and 267 percent of last year; Bair storage was 117 percent of average and 195 percent of last year; Martinsdale storage was 185 percent of average and 263 percent of last year; and Deadman's Basin was 78 percent of average and 90 percent of average.

Surface Water Supply Index (SWSI) was -0.4 in the Smith River; +3.4 in the Upper Judith River; and +1.1 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ====== Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SHEEP CREEK nr White Sulphur Spgs.	APR-JUL	9.4	12.8	15.1	88	17.4	21	17.1
	APR-SEP	10.7	14.6	17.3	87	20	24	20
SMITH RIVER bl Eagle Creek (2)	APR-JUL	41	74	96	72	118	151	133
	APR-SEP	43	81	107	72	133	171	149
NF MUSSELSHELL nr Delpine	APR-JUL	1.4	2.6	3.7	80	4.8	6.5	4.6
	APR-SEP	1.7	3.0	4.3	80	5.6	7.5	5.4
SF MUSSELSHELL abv Martinsdale	APR-JUL	14.8	22	37	71	52	74	52
	APR-SEP	16.4	25	41	73	57	80	56
MUSSELSHELL at Harlowton (2)	APR-JUL	23	33	58	75	83	121	77
	APR-SEP	23	32	59	73	86	126	81
MUSSELSHELL nr Roundup (2)	APR-JUL	26	43	65	66	120	200	99
	APR-SEP	25	41	64	63	120	200	102

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
SMITH RIVER	10.6	6.7	6.5	5.7
ACKLEY LAKE	7.0	4.0	1.5	3.2
BAIR	7.0	4.1	2.1	3.5
MARTINSDALE	23.1	18.7	7.1	10.1
DEADMAN'S BASIN	72.2	34.3	38.2	44.0

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SMITH	6	100	106
HIGHWOOD	0	0	0
JUDITH	4	125	126
MUSSELSHELL	3	111	105
SMITH-JUDITH-MUSSELSHELL	10	110	113

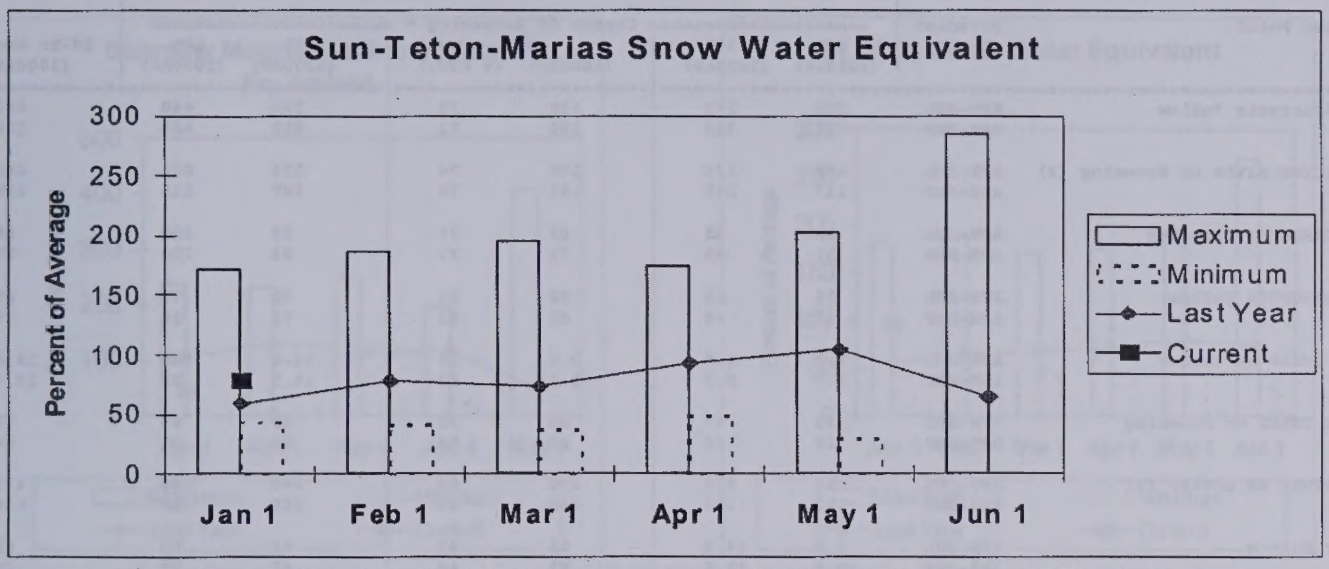
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

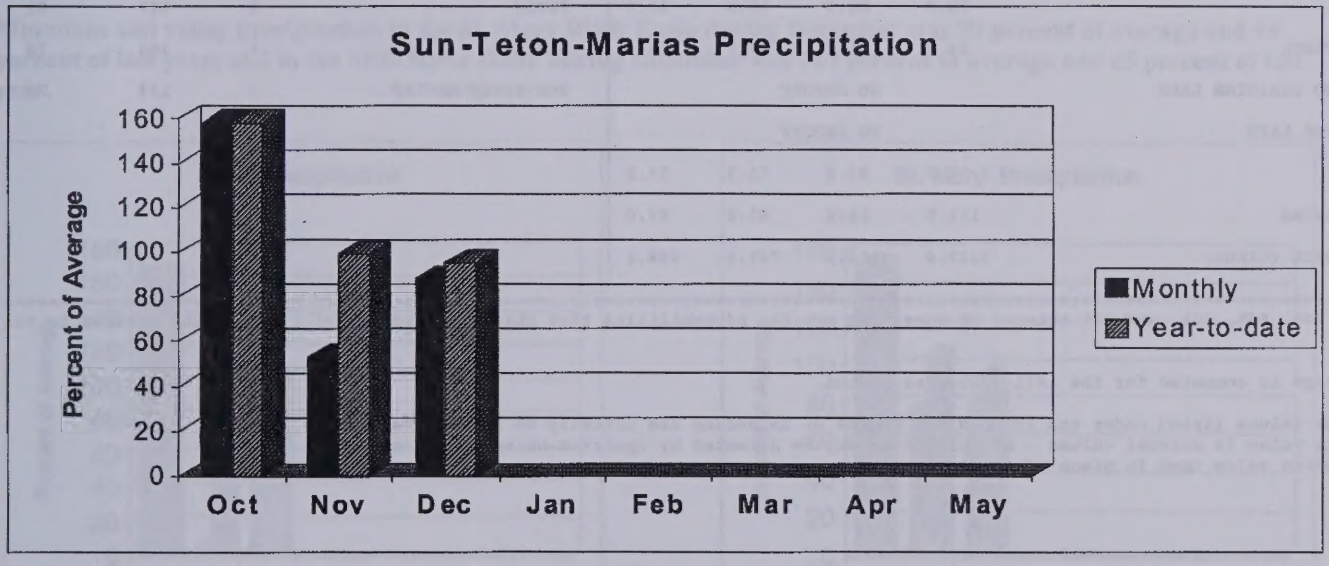
Sun-Teton-Marias River Basins

The combined snowpack conditions for the Sun-Teton-Marias River Basins were below average. Snow water content in the Sun River Basin was 80 percent of average and 115 percent of last year; the Teton River Basin was 81 percent of average and 127 percent of last year; and the Marias River Basin was 78 percent of average and 143 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during December in the Sun was 73 percent of average and 58 percent of last year; in the Teton was 98 percent of average and 68 percent of last year; and in the Marias was 86 percent of average and 78 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 95 percent of average and 116 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 53 to 68 percent.

Gibson storage was 34 percent of average and 37 percent of last year; Pishkun storage was 122 percent of average and 111 percent of last year; Willow Creek storage was 115 percent of average and 91 percent of last year; Lower Two Medicine Lake storage was 59 percent of average and 212 percent of average; Four Horns Lake storage was 41 percent of average and 38 percent of last year; Swift storage was 308 percent of average and 388 percent of last year; Lake Frances storage was 22 percent of average and 24 percent of last year; and Lake Elwell (Tiber) storage was 119 percent of average and 103 percent of last year.

Surface Water Supply Index (SWSI) was -2.1 in the Sun River; -0.7 in the Teton River; -2.3 in the Birch/Dupuyer Creeks; -1.6 in the Marias River above Tiber, and –0.8 in the Marias below Tiber.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GIBSON Reservoir Inflow	APR-JUL	200	270	320	70	370	440	460
	APR-SEP	235	310	360	71	410	485	505
TWO MEDICINE RIVER nr Browning (2)	APR-JUL	106	136	156	76	176	205	205
	APR-SEP	117	147	167	78	187	215	215
BADGER CREEK nr Browning	APR-JUL	32	52	66	77	80	100	86
	APR-SEP	37	58	73	77	88	109	95
SWIFT RESERVOIR Inflow	APR-JUL	31	44	52	81	60	73	64
	APR-SEP	40	54	63	82	72	86	77
DUPUYER CREEK nr Valier	APR-JUL	3.1	4.8	7.9	56	12.8	20	14.0
	APR-SEP	3.7	5.7	9.3	59	14.7	23	15.7
CUT BANK CREEK nr Browning	APR-JUL	31	47	58	75	69	85	77
	APR-SEP	33	50	62	74	74	91	84
MARIAS RIVER nr Shelby (2)	APR-JUL	112	200	280	68	360	480	415
	APR-SEP	112	197	280	64	365	485	440
TETON nr Dutton	APR-JUL	8.8	14.8	22	43	41	69	51
	APR-SEP	10.8	17.6	27	46	47	77	59

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GIBSON	99.1	14.3	39.0	42.5
PISHKUN	32.0	22.0	19.9	18.0
WILLOW CREEK	32.2	25.3	27.7	22.0
LOWER TWO MEDICINE LAKE		NO REPORT		
FOUR HORNS LAKE		NO REPORT		
SWIFT	30.0	43.8	11.3	14.2
LAKE FRANCES	112.0	14.6	60.6	67.0
LAKE ELWELL (TIBER)	1347.0	768.9	743.8	648.1

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	2	115	80
TETON	3	127	81
MARIAS	4	143	78
SUN-TETON-MARIAS	7	133	79

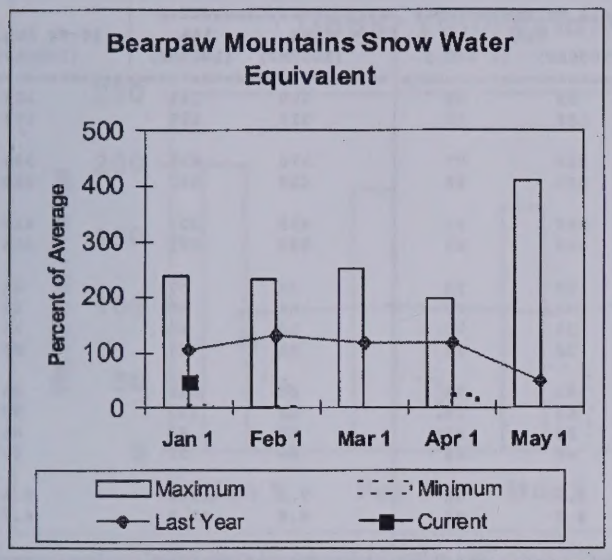
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

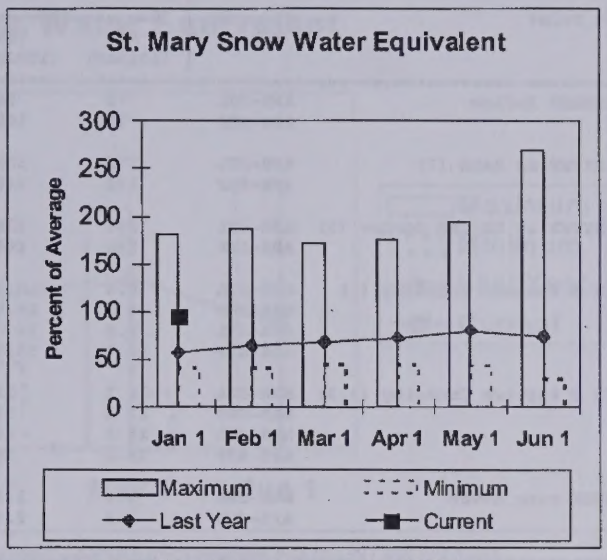
The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

St. Mary and Milk River Basins

The combined snowpack conditions in the St. Mary and Milk River Basins were below average. Snow water content in the Saint Mary River Basin was 95 percent of average and 164 percent of last year. The Milk River Basin (Bearpaw Mountains) was 46 percent of average and 44 percent of last year.

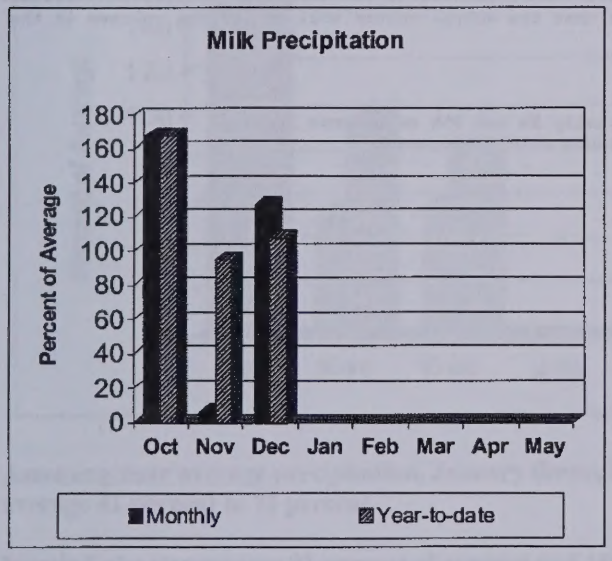


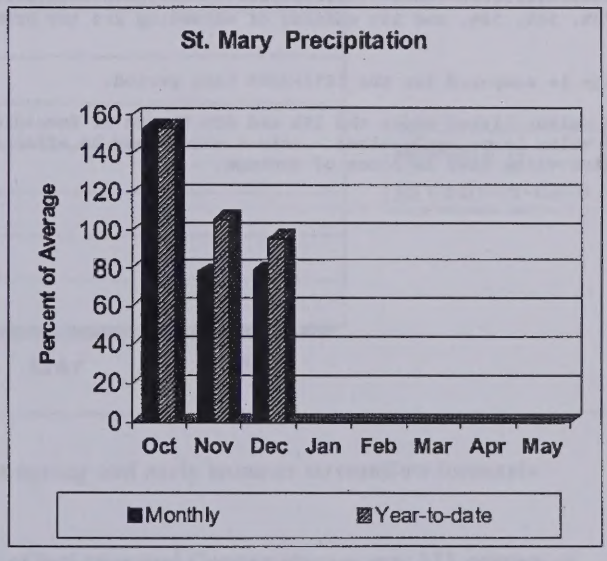


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 1973; March maximum swe was 1978 and minimum swe was 2005; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1967 and 1972 and minimum swe was in 2005; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

Mountain and valley precipitation in the St. Mary River Basin during December was 79 percent of average and 96 percent of last year; and in the Milk River Basin during December was 127 percent of average and 65 percent of last year.





Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts in the St. Mary average 78 to 88 percent. In the Milk the spring and early summer streamflow forecasts average 35 to 66 percent.

Lake Sherburne storage was 115 percent of average and 63 percent of last year; Fresno storage was 75 percent of average and 72 percent of last year; Beaver Creek storage was 148 of average and 94 percent of last year; and Nelson storage was 130 percent of average and 111 percent of last year.

Surface Water Supply Index (SWSI) was -0.9 in the St. Mary River and +0.3 for the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<------ Drier ------ Future Conditions ------ Wetter ------>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LAKE SHERBURNE Inflow	APR-JUL	72	84	92	88	100	112	105
	APR-SEP	88	100	108	89	116	128	122
ST. MARY RIVER nr Babb (2)	APR-JUL	255	300	335	87	370	415	385
	APR-SEP	310	360	395	88	430	480	450
ST. MARY RIVER at US/CAN Border (2)	APR-JUL	265	335	385	89	435	505	435
	APR-SEP	335	405	455	88	505	575	515
MILK RIVER @ Western Crossing (3)	MAR-JUL	8.4	14.9	30	73	41	57	41
	MAR-SEP	8.6	15.8	33	77	44	62	43
	APR-JUL	9.2	16.0	23	70	30	40	33
	APR-SEP	10.4	18.7	26	72	33	44	36
MILK RIVER @ Eastern Crossing (2,3)	MAR-JUL	17.1	31	63	76	85	119	83
	MAR-SEP	17.5	33	68	78	93	130	88
	APR-JUL	15.2	23	38	63	58	88	61
	APR-SEP	18.0	26	45	65	66	97	69
BEAVER CREEK near Havre	MAR-JUL	1.6	3.1	4.6	48	7.3	11.2	9.6
	APR-JUL	1.6	2.9	4.3	49	6.4	11.7	8.7

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE SHERBURNE	64.3	27.1	43.0	23.5
FRESNO	127.0	39.0	53.8	51.8
BEAVER CREEK	3.5	3.1	3.3	2.1
NELSON	66.8	46.3	41.6	35.7

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	2	164	95
BEARPAW MOUNTAINS	3	44	46
CYPRESS HILLS, CANADA	0	0	0
MILK RIVER BASIN	3	44	46
ST. MARY & MILK BASINS	5	125	85

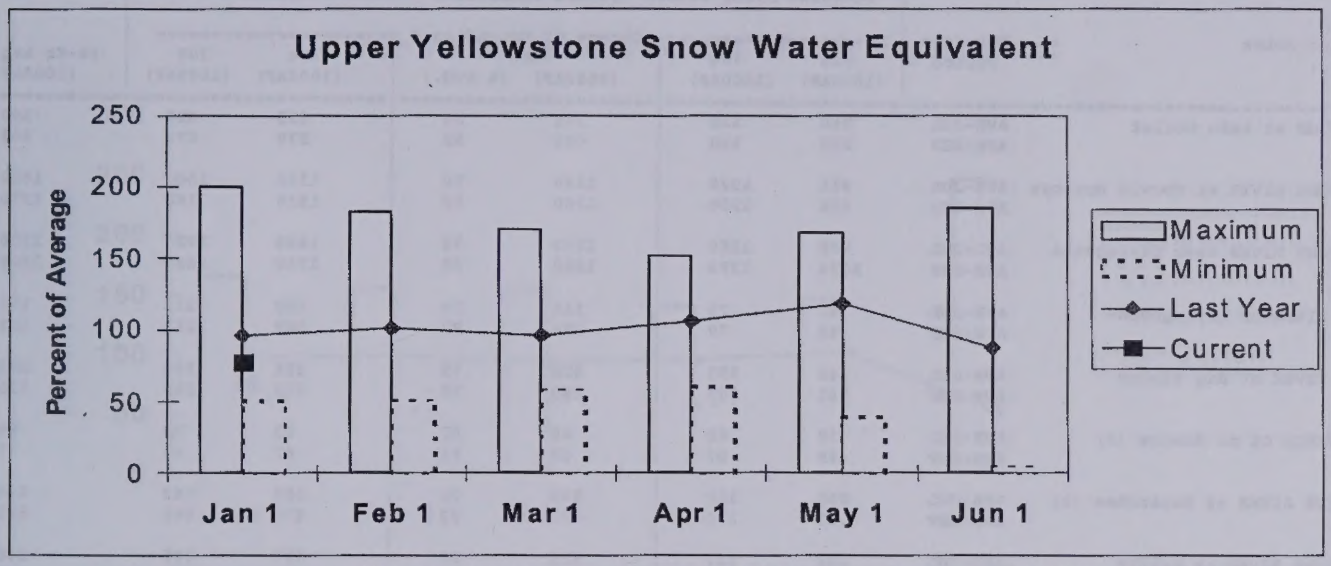
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

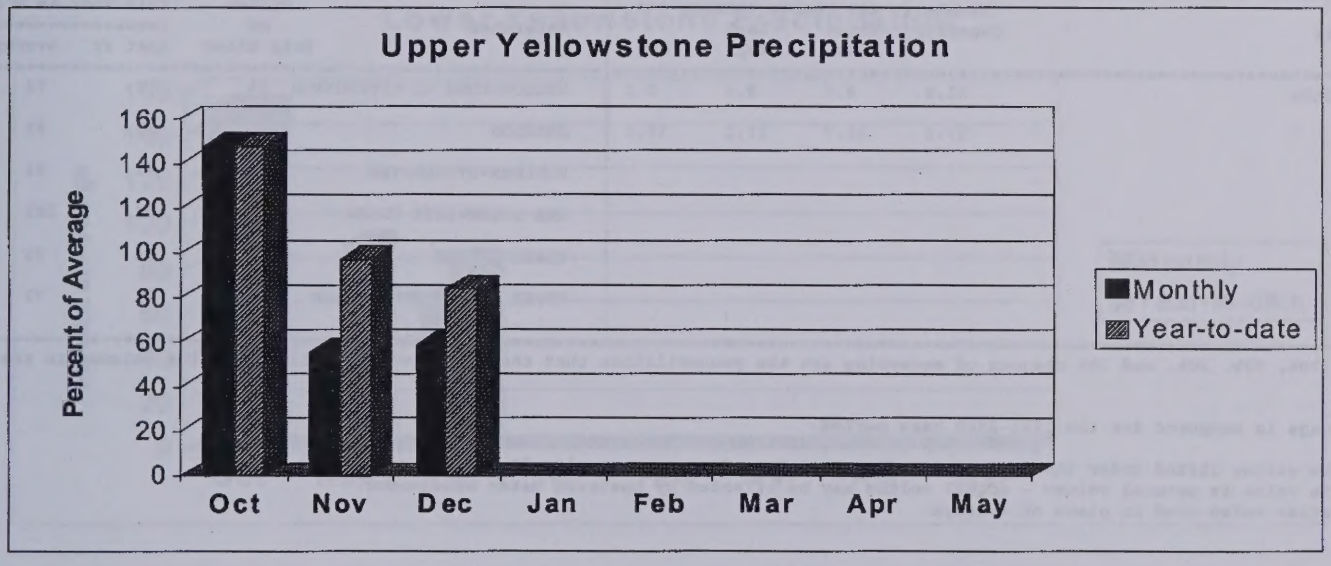
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were below average. Snow water content was 77 percent of average and 82 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1997 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during December was 56 percent of average and 46 percent of last year. Valley precipitation during December was 116 percent of average and 101 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 84 percent of average and 83 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 61 percent to 73 percent.

Mystic Lake storage was 92 percent of average and 100 percent of last year and Cooney storage was 111 percent of average and 97 percent of last year.

Surface Water Supply Index (SWSI) was -2.8 in the Yellowstone River above Livingston; -0.7 in the Shields River; -2.5 in the Boulder River; -2.0 in the Stillwater River; -0.7 in the Rock/Red lodge Creeks; -2.7 in the Clarks Fork River; and -2.6 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YELLOWSTONE at Lake Outlet	APR-JUL	240	325	380	64	435	520	590
	APR-SEP	315	420	495	62	570	675	805
YELLOWSTONE RIVER at Corwin Springs	APR-JUL	815	1020	1160	70	1300	1500	1650
	APR-SEP	955	1200	1360	69	1520	1760	1970
YELLOWSTONE RIVER near Livingston	APR-JUL	920	1160	1320	70	1480	1720	1900
	APR-SEP	1090	1370	1560	68	1750	2030	2280
SHIELDS RIVER nr Livingston	APR-JUL	45	73	114	79	155	215	145
	APR-SEP	49	79	124	77	169	235	162
BOULDER RIVER at Big Timber	APR-JUL	146	193	225	79	255	305	285
	APR-SEP	151	205	240	76	275	330	315
WEST ROSEBUD CK nr Roscoe (2)	APR-JUL	39	45	49	82	53	59	60
	APR-SEP	49	57	62	81	67	75	77
STILLWATER RIVER nr Absarokee (2)	APR-JUL	250	310	355	72	400	460	495
	APR-SEP	295	370	420	72	470	545	585
CLARKS FORK RIVER nr Belfry	APR-JUL	265	330	375	69	420	485	540
	APR-SEP	280	350	400	67	450	520	595
COONEY RESERVOIR Inflow (2)	APR-JUL	15.1	27	35	75	43	55	47
	APR-SEP	23	35	44	77	53	65	57
YELLOWSTONE RIVER at Billings	APR-JUL	1440	2020	2350	67	2680	3260	3510
	APR-SEP	1690	2390	2770	67	3150	3850	4120

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MYSTIC LAKE	21.0	8.6	8.6	9.3
COONEY	27.4	16.7	17.2	15.0

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	14	77	74
SHIELDS	4	85	87
BOULDER-STILLWATER	3	81	84
RED LODGE-ROCK CREEK	2	106	101
CLARK'S FORK	7	84	76
UPPER YELLOWSTONE BASIN	26	81	77

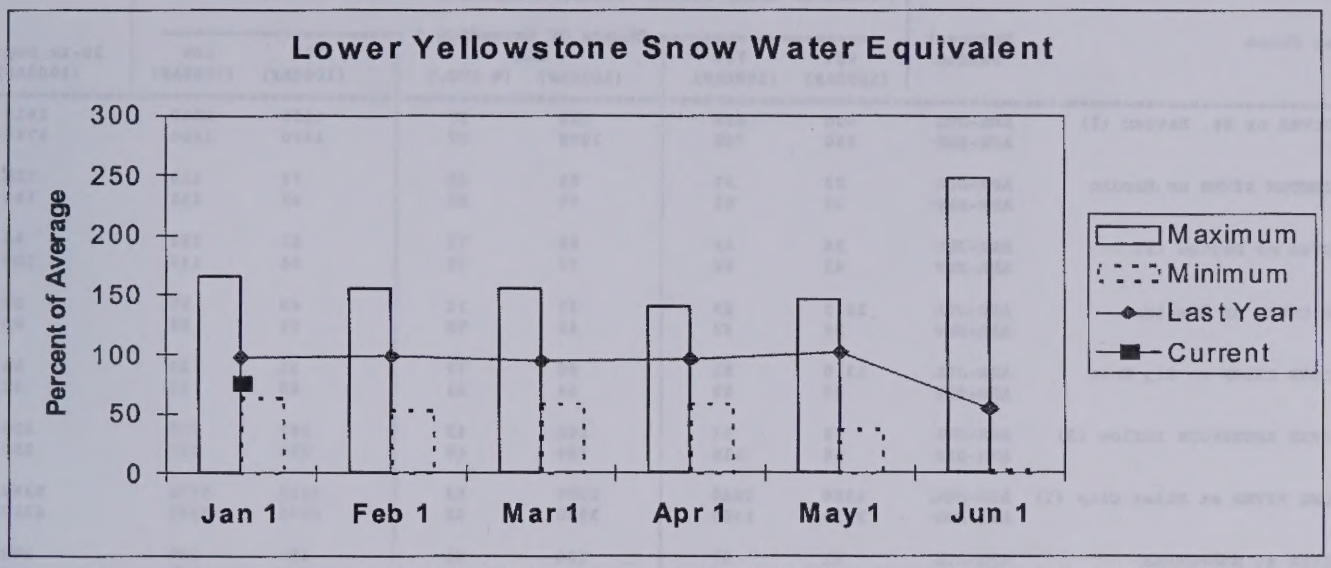
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

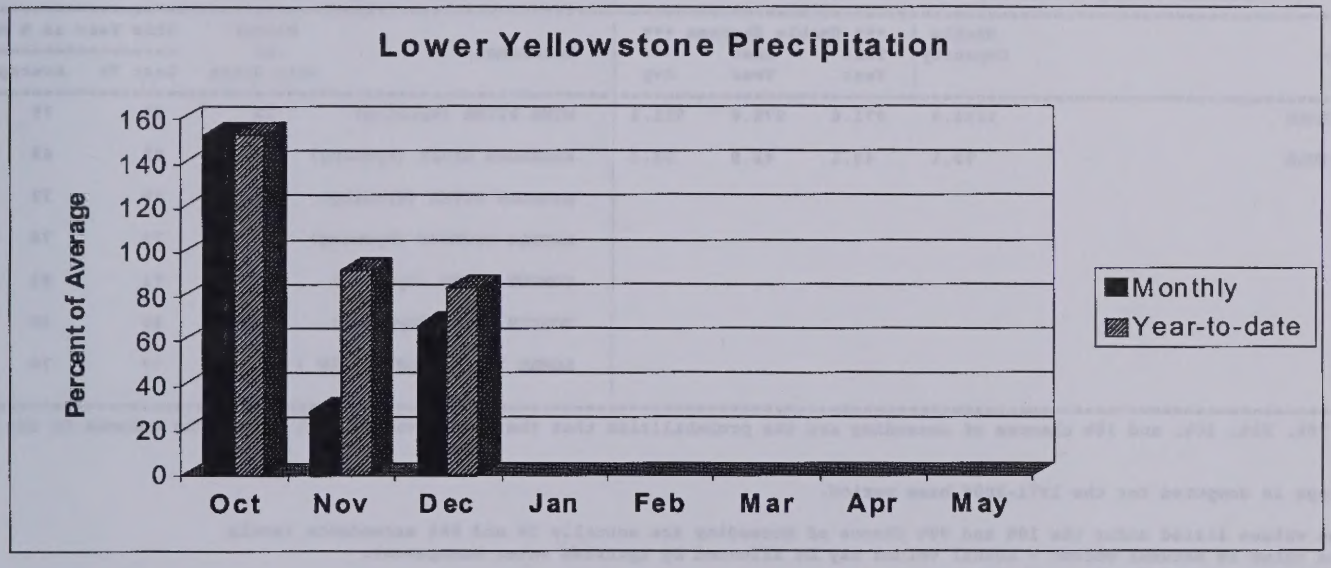
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin were below average. Snow water content was 76 percent of average and 79 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during December was 68 percent of average and 52 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2009, was 84 percent of average and 75 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 39 to 56 percent.

Bighorn Lake storage was 107 percent of average and 100 percent of last year and Tongue River storage was 214 percent of average and 98 percent of last year.

Surface Water Supply Index (SWSI) was -0.9 in the Bighorn River below Bighorn Lake; -2.5 in the Little Bighorn River; -1.9 in the Yellowstone River below Bighorn River; -1.7 in the Tongue River; and -1.6 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - January 1, 2010

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BIGHORN RIVER nr St. Xavier (2)	APR-JUL	500	690	920	57	1150	1340	1610
	APR-SEP	540	740	1000	57	1260	1460	1760
LITTLE BIGHORN RIVER nr Hardin	APR-JUL	23	37	58	45	79	110	128
	APR-SEP	30	52	75	52	98	132	144
TONGUE RIVER nr Dayton (2)	APR-JUL	34	54	68	71	82	102	96
	APR-SEP	42	64	79	73	94	116	109
BIG GOOSE CREEK nr Sheridan	APR-JUL	16.9	29	37	71	45	57	52
	APR-SEP	24	37	45	75	53	66	60
LITTLE GOOSE CREEK nr Big Horn	APR-JUL	13.0	21	26	77	31	39	34
	APR-SEP	20	28	34	81	40	48	42
TONGUE RIVER RESERVOIR Inflow (2)	APR-JUL	30	97	142	65	187	255	220
	APR-SEP	46	116	164	66	210	280	250
YELLOWSTONE RIVER at Miles City (2)	APR-JUL	1980	2840	3380	63	3920	4770	5360
	APR-SEP	2310	3320	3930	63	4540	5550	6210
POWDER RIVER at Moorehead	APR-JUL	41	57	104	51	151	220	205
	APR-SEP	49	74	123	54	172	245	230
POWDER RIVER nr Locate	APR-JUL	46	59	116	49	173	255	235
	APR-SEP	54	74	135	52	196	285	260
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	1840	2700	3290	60	3880	4710	5480
	APR-SEP	2130	3080	3780	60	4480	5420	6280

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BIGHORN LAKE	1356.0	971.0	975.4	911.1
TONGUE RIVER	79.1	48.1	48.9	22.5

LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WIND RIVER (Wyoming)	12	83	79
SHOSHONE RIVER (Wyoming)	6	82	69
BIGHORN RIVER (Wyoming)	16	76	73
LITTLE BIGHORN (Wyoming)	2	73	78
TONGUE RIVER (Wyoming)	7	71	81
POWDER RIVER (Wyoming)	6	80	85
LOWER YELLOWSTONE BASIN (	31	79	76

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
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Montana Water Supply Outlook Report

Natural Resources Conservation Service
Bozeman, MT